

October 28, 2021

Arizona Department of Environmental Quality
Water Quality Compliance Section
Mail Code 5415B-1
1110 West Washington Street
Phoenix, Arizona 85007

Attention: Tracy Bunch

Subject: Third Quarter 2021 Monitoring Report
Aquifer Protection Permit No. P-101704, LTF 88973

Dear Mr. Bunch:

Florence Copper Inc. (Florence Copper) is submitting this report in accordance with Section 2.7.4.2 of Aquifer Protection Permit (APP) No. P-101704, LTF 88973, dated April 30, 2021, for the Florence Copper Project.

Background Information

The Florence Copper Project is an in-situ copper extraction facility subject to two related permits issued by the Arizona Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (USEPA).

APP Covering the 1997-98 BHP Pilot Facilities and Future Operations (APP):

- ADEQ APP No. P-101704 (LTF 76820) Significant Amendment dated December 8, 2020 and Other Amendment LTF 88973 dated April 30, 2021.

The authorized facilities and monitoring wells are identified on Figure 1, and the configuration of the Production Test Facility (PTF) wellfield, which was incorporated into the amended December 8, 2020 permit, is shown on Figure 2.

Prior to the amended permit issued on December 8, 2020, the Florence Copper Project was regulated under APP No. P-101704, LTF 65804 dated October 13, 2017.

In 1997, the BHP test wellfield, a small leachate processing facility, and a double-lined evaporation pond were constructed as authorized by APP No. P-101704 in 1997. The Pilot Test Facility operated from October 31, 1997 to February 9, 1998. The test area was rinsed until September 1, 2004. Cessation of hydraulic control for testing was approved by both agencies and the wellfield has since remained inactive. Subsequently, no Sitewide permit related activities took place until the issuance of the amended permit on December 8, 2020.

Underground Injection Control (UIC) Permit Covering the Current PTF:

- USEPA UIC Permit No. R9UIC-AZ3-FY11-1 dated December 20, 2016.

This permit authorizes operation of the PTF and sets forth separate monitoring requirements to be applied at the PTF, which lies within the area covered by the APP. The UIC facilities and monitoring wells are identified on Figure 1. The facility received authorization to proceed with pre-operational activities on July 13, 2017. The PTF wellfield was completed and began operations on December 15, 2018. The rinsing activities for the PTF began on June 26, 2020. Solutions from the wellfield continued to be processed through the Solvent Extraction/Electrowinning (SX/EW) plant to produce copper in the fourth quarter (Q4) until October 29, 2020. Wellfield rinsing activities have continued through Q3 2021.

This report documents monitoring activities required by APP No. P-101704, LTF 88973 during Q3 2021 following the issuance of the amended permit on April 30, 2021. Reporting for the UIC is performed separately; however, some information pertains to multiple permits and is reported accordingly.

Annual Report

Section 2.7.4.1 of the permit requires that an annual report presenting updates to the groundwater model and the results of any liner assessments be submitted no later than 30 days following the end of the calendar year. In accordance with Section 2.5 of the permit, monitoring and data collection to support the annual reporting requirements began in 2021 (the first full monitoring period following permit issuance). Therefore, the first annual report will be submitted in January 2022.

In-Situ Copper Recovery (ISCR) Operations and Monitoring Quarterly Reporting

- **Section 2.7.1 – Self-Monitoring Report Forms (SMRF)**
The completed SMRF for Q3 2021 has been submitted to the on-line MyDEQ portal.
- **Section 2.7.4.2.1.1 – Graphical Representation of Injected and Recovered Volumes**
The daily cumulative injection and recovery volumes, and the daily percent recovery to injection volume values are provided in tabular and graphical format in Attachment 1. Throughout the monitoring period, the extracted volume has consistently exceeded the injected volume by 6 percent or more.
- **Section 2.7.4.2.1.2 – Graphical Representation of the Hydraulic Gradient in the ISCR Wellfield**
The daily average head measurement values for the observation wells and recovery wells are provided in tabular and graphical format in Attachment 2. The hydraulic gradient has been maintained with a greater than 1-foot differential as a daily average for all paired PTF wells throughout the monitoring period.
- **Section 2.7.4.2.1.3– Monthly Potentiometric Surface Maps**
Monthly groundwater elevation contour maps are provided in Attachment 3. A cone of depression displaying inward flow and complete capture is depicted over the PTF, the only active mining area, in all three contour maps.
- **Section 2.7.4.2.1.4– Well Bore Annular Conductivity Device (ACD) Readings**
The results of the Q3 2021 well bore annular electrical conductivity (EC) monitoring are provided in Attachment 4. Annular EC resistance have remained approximately constant or increased slightly in 8 of the 11 wells since monitoring began in Q3 2018. Annular EC has decreased in wells WB-04, O-04, and O-06 during that same time. The results of the monitoring indicate the absence of injected fluid at the ACD locations.
- **Section 2.7.4.2.1.5 – Summary of Pressure Transducer and Fracture Gradient Readings**
Monthly maximum, minimum, and average injection pressures for the monitoring period are provided in Attachment 5. There were no exceedances of the fracture gradient during Q3 2021.

- **Section 2.7.4.2.1.6 – Graphical Representation of Fluid EC Readings from Injection and Observations Wells**

Fluid EC values are provided in tabular and graphical format in Attachment 6. As expected, fluid EC in the injection and observation wells were comparable during the monitoring period. Throughout the monitoring period the PTF wellfield was being rinsed, and no injection of ISCR fluids took place.

- **Section 2.7.4.2.1.7 – Description of Deviations from Standard Sampling Protocols**

There were no deviations from standard sampling protocols during the Q3 2021 monitoring event.

- **Section 2.7.4.2.1.8 – Summary of all Exceedances of Alert Levels (AL), Aquifer Quality Limits (AQL), Action Levels, Discharge Limits, or Operational Limits**

Except as noted below, there were no exceedances of AQLs, action levels, discharge limits or operational limits during this reporting period.

The BHP Copper evaporation pond (BHP Pond) was placed into service on July 7, 2021. On August 17 an exceedance occurred for AL #1 normal liner leakage at the BHP Pond leak collection and removal system, and the incident was reported via MyDEQ. Flow to the BHP Pond was discontinued and a leak detection survey was conducted. Liner repairs were completed at four areas below the water level. Additional surveys and repairs on the liner above the water level were completed in September. ADEQ issued a “resolved” status for the incident on September 27, 2021. Leak collection and removal system monitoring after completion of the liner repairs has been below the normal liner leakage AL.

Well M4-O exceeded its magnesium AL for all monthly samples taken during this monitoring period. No other groundwater monitoring ALs or AQLs were exceeded. Refer to Attachment 10 for additional details on the groundwater monitoring AL exceedances at well M4-O.

- **Section 2.7.4.2.1.9 – Time versus Concentration Plots of Select Groundwater Parameters**

Plots of select quarterly monitoring parameter concentrations over time for point of compliance (POC) wells, are provided in Attachment 7.

- **Section 2.7.4.2.1.10 – Groundwater Elevation Contour Maps**

A groundwater elevation contour map for the quarterly monitoring period (September 2021), including the groundwater elevation obtained from the underground workings is provided in Attachment 8 of the Q3 2021 quarterly compliance monitoring report.

- **Section 2.7.4.2.1.11 – Fissure Inspection Summary**

Routine visual observations found no ground surface cracks or earth fissures in or around the PTF during the monitoring period.

- **Section 2.7.4.2.1.12 – Table of Wells in the Discharge Impact Area**

A table of all monitoring wells within the Discharge Impact Area, including location, depth of well, depth to water, and water level elevation is provided in Attachment 9.

- **Section 2.7.4.2.1.13 – Summary of All Monitoring Wells Replaced**

No monitoring wells were replaced during the monitoring period.

- **Section 2.7.4.2.1.14 – Groundwater Sampling Results for POC wells**

The results of Q3 2021 groundwater monitoring of the POC wells are presented in Attachment 10.

- **Section 2.7.4.2.1.15 – Copies of Reports Submitted to the USEPA for the UIC**

As required, a copy of the quarterly monitoring report submitted to the USEPA for UIC Permit No. R9UIC-AZ3-FY11-1 is being submitted under a separate cover.

- **Section 2.7.4.2.1.16 – Resource Block Status Report**

A resource block status summary table is provided in Attachment 11.

- **Section 2.7.4.2.1.17 – Monthly ISCR Wellfield Water Analytical Results**

Monthly analytical results of the treated ISCR wellfield water are provided in Attachment 12.

- **Section 2.7.4.2.2 – Well Abandonment Report**

On July 27, 2021, Well M5-S was abandoned. Documentation related to the abandonment is provided in Attachment 13. Well M5-S was an old sulfide well and was located outside of the Area of Review. It was not required to be monitored under this permit.

Operational Requirements and Best Available Demonstrated Control Technology Monitoring

The following items address additional operational and monitoring requirements. Some requirements necessitate filing special reports with ADEQ in the event that certain conditions occur. Others require only that relevant information be placed in logs that are to be maintained on site.

In accordance with Section 2.5.2 of the permit, permitted facilities are inspected for the performance levels listed in Section 4.2, Table 10 of APP No. P-101704. Records of operational monitoring and inspections are maintained in the facility log. A summary of the operational status of the listed facilities is presented in Table 10 below. Weather and road conditions may have precluded daily observations on a small number of occasions due to safety concerns.

Table 10. Operational Monitoring and Inspections for APP No. P-101704, LTF 88973

Facility Category	Facility Name	Operational Inspection
Process solution impoundments	PTF process water impoundment PLS pond Raffinate Pond BHP Pond Water impoundments 1 through 5	At present, only the PTF process water impoundment and BHP Pond have been constructed. The PTF process water impoundment was inspected daily and was compliant with the operational monitoring requirements throughout the monitoring period. The BHP Pond became operational in Q3 2021. Once operational, the BHP Pond was inspected daily, and was compliant with the operational requirements listed in Table 10. See description in this report under Section 2.7.4.2.1.8 regarding an exceedance of Alert Level I for normal liner leakage during this reporting period.
Lined Non-Stormwater Containment Pond	PTF run-off pond Run-off pond	At present, only the PTF run-off pond has been constructed. The PTF run-off pond was inspected weekly and was compliant with the applicable operational requirements during the monitoring period.
Stormwater control structures	Sitewide stormwater ditches	Monthly inspections were conducted in Q3 2021 in accordance with Section 2.5, and the facilities were compliant with operational requirements.

Table 10. Operational Monitoring and Inspections for APP No. P-101704, LTF 88973		
Facility Category	Facility Name	Operational Inspection
Groundwater monitor wells	Sitewide monitoring wells	Quarterly inspections were conducted in Q3 2021 in accordance with Section 2.5, and the facilities were compliant with operational requirements.
Pumps	Barge pumps Run-off transfer pumps Sump Pumps Discharge Pump	The only applicable operating pumps are the sump pumps at the PTF process water impoundment and BHP Pond. Both pumps were inspected weekly and were compliant with the operational requirements throughout the monitoring period.
In-situ area injection and recovery resource blocks	PTF wellfield ISCR area	These facilities were inspected daily and no leakage from pipelines, manifolds, or wellheads was reported during the monitoring period.
In-situ area injection and recovery resource blocks	PTF wellfield ISCR area	Quarterly inspections were conducted in Q3 2021 in accordance with Section 2.5, and no evidence of subsidence/fissures was reported.

Notes:
ADEQ = Arizona Department of Environmental Quality
ISCR = In-situ copper recovery
PLS = pregnant leach solution
PTF = Production Test Facility

The contents of this report are believed to be accurate and complete based upon the data submitted to me and reviewed by me. Please call (520) 316-3710 should you have any questions concerning this report.

Sincerely,
Florence Copper Inc.



Brent Berg
General Manager

Enclosures:

Figure 1 – Groundwater Monitoring Area

Figure 2 – PTF Wellfield

Attachment 1 – Graphical Representation of Injected and Recovered Volumes

Attachment 2 – Graphical Representation of the Hydraulic Gradient in the ISCR Wellfield

Attachment 3 – Monthly Potentiometric Surface Maps

Attachment 4 – Well Bore Annular Conductivity Device (ACD) Readings

Attachment 5 – Summary of Pressure Transducer and Fracture Gradient Readings

Attachment 6 – Graphical Representation of Fluid Electrical Conductivity Readings from Injection and Observations Wells

Attachment 7 – Time versus Concentration Plots of Select Groundwater Parameters

Attachment 8 – Quarterly Groundwater Elevation Contour Map

Attachment 9 – Table of Wells in the Discharge Impact Area

Attachment 10 – 10A – Groundwater Sampling Results for POC Wells

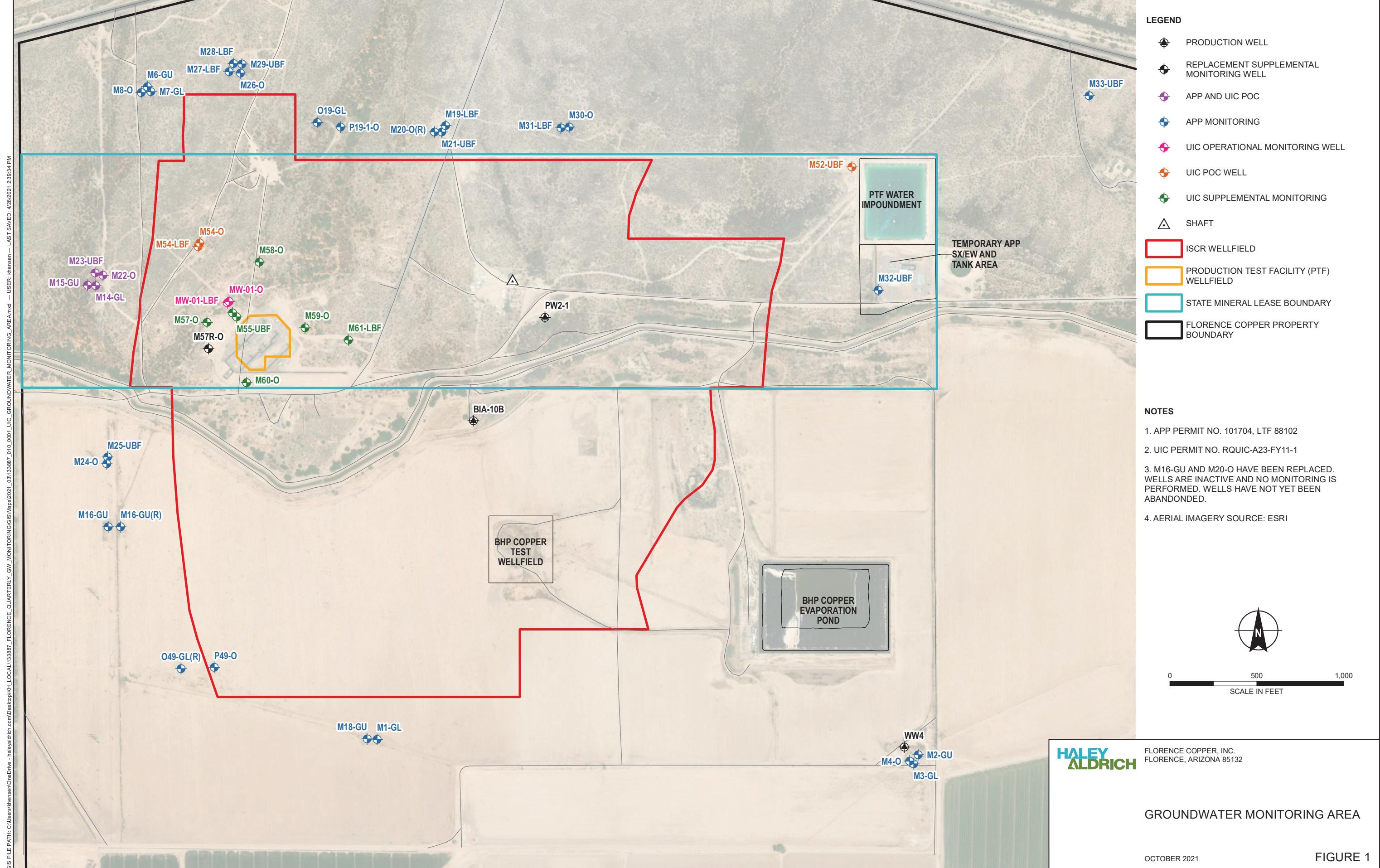
10B – Summary of Quarterly Water Levels

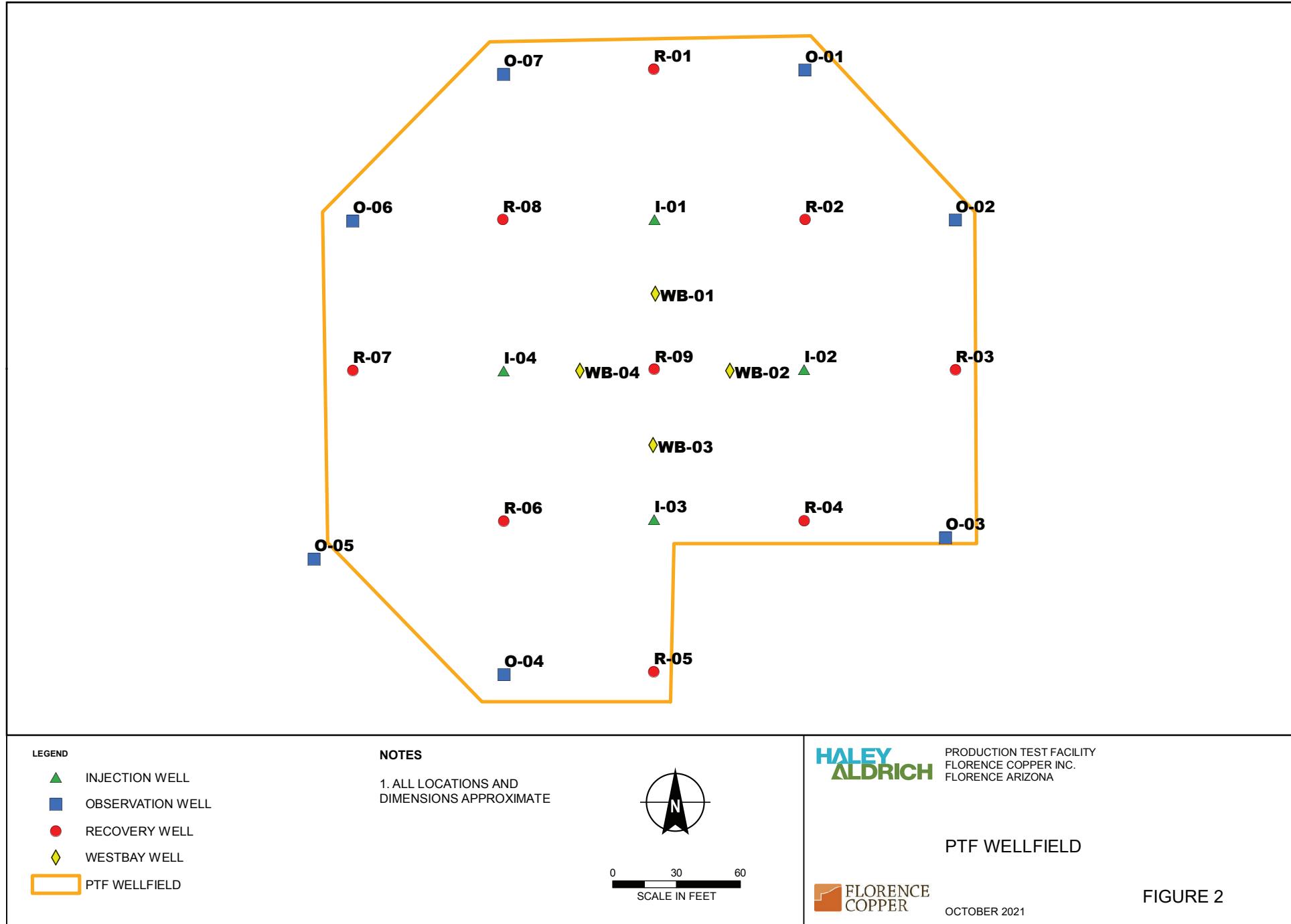
Attachment 11 – Resource Block Status Report

Attachment 12 – Monthly ISCR Wellfield Water Analytical Results

Attachment 13 – Well Abandonment Report

FIGURES





ATTACHMENT 1

Graphical Representation of Injected and Recovered Volumes

VOLUMES WITH PERCENT RECOVERY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. July 2021 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	% Recovery
7/1/2021	203,200	229,300	1.13	113
7/2/2021	205,100	230,000	1.12	112
7/3/2021	204,200	230,200	1.13	113
7/4/2021	204,500	230,200	1.13	113
7/5/2021	203,600	229,900	1.13	113
7/6/2021	194,000	217,000	1.12	112
7/7/2021	187,600	209,300	1.12	112
7/8/2021	187,700	210,000	1.12	112
7/9/2021	188,400	232,600	1.23	123
7/10/2021	164,600	199,100	1.21	121
7/11/2021	188,500	241,800	1.28	128
7/12/2021	188,900	258,400	1.37	137
7/13/2021	180,700	246,300	1.36	136
7/14/2021	146,700	232,300	1.58	158
7/15/2021	158,200	254,500	1.61	161
7/16/2021	159,200	256,000	1.61	161
7/17/2021	159,300	256,300	1.61	161
7/18/2021	159,500	256,300	1.61	161
7/19/2021	159,300	256,000	1.61	161
7/20/2021	159,000	256,300	1.61	161
7/21/2021	159,000	257,200	1.62	162
7/22/2021	136,800	217,900	1.59	159
7/23/2021	158,900	255,700	1.61	161
7/24/2021	158,600	256,100	1.61	161
7/25/2021	160,000	255,500	1.60	160
7/26/2021	159,200	256,200	1.61	161
7/27/2021	159,300	256,700	1.61	161
7/28/2021	159,300	262,200	1.65	165
7/29/2021	157,700	262,800	1.67	167
7/30/2021	157,100	262,300	1.67	167
7/31/2021	157,900	262,900	1.66	166
JUL Averages	171,806	243,139	1.44	144

JUL Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	119	169

Notes:

% = percent

GPM = gallons per minute

VOLUMES WITH PERCENT RECOVERY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. August 2021 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	% Recovery
8/1/2021	157,300	261,700	1.66	166
8/2/2021	157,200	261,900	1.67	167
8/3/2021	156,700	261,900	1.67	167
8/4/2021	156,900	262,200	1.67	167
8/5/2021	157,100	261,600	1.67	167
8/6/2021	157,700	297,400	1.89	189
8/7/2021	142,900	267,800	1.87	187
8/8/2021	157,700	296,600	1.88	188
8/9/2021	158,300	292,300	1.85	185
8/10/2021	158,000	290,400	1.84	184
8/11/2021	158,600	277,900	1.75	175
8/12/2021	158,700	280,100	1.76	176
8/13/2021	159,700	302,800	1.90	190
8/14/2021	157,500	297,700	1.89	189
8/15/2021	156,900	297,900	1.90	190
8/16/2021	157,500	296,900	1.89	189
8/17/2021	157,200	223,400	1.42	142
8/18/2021	156,300	228,000	1.46	146
8/19/2021	155,200	233,900	1.51	151
8/20/2021	72,200	147,300	2.04	204
8/21/2021	72,200	146,400	2.03	203
8/22/2021	72,900	146,000	2.00	200
8/23/2021	71,500	148,100	2.07	207
8/24/2021	72,100	146,600	2.03	203
8/25/2021	65,300	140,020	2.14	214
8/26/2021	41,100	118,700	2.89	289
8/27/2021	72,100	144,250	2.00	200
8/28/2021	73,000	144,700	1.98	198
8/29/2021	72,800	144,730	1.99	199
8/30/2021	73,500	144,680	1.97	197
8/31/2021	73,300	145,160	1.98	198
AUG Averages	122,884	222,872	1.88	188

AUG Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	85	155

Notes:*Injection and recovery volumes lowered in August and September during BHP Pond liner repairs.**% = percent**GPM = gallons per minute*

VOLUMES WITH PERCENT RECOVERY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. September 2021 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	% Recovery
9/1/2021	72,400	146,460	2.02	202
9/2/2021	73,200	146,740	2.00	200
9/3/2021	74,000	146,370	1.98	198
9/4/2021	73,700	146,900	1.99	199
9/5/2021	73,800	146,580	1.99	199
9/6/2021	73,200	147,150	2.01	201
9/7/2021	73,900	145,700	1.97	197
9/8/2021	74,000	147,000	1.99	199
9/9/2021	73,800	146,400	1.98	198
9/10/2021	73,100	146,660	2.01	201
9/11/2021	72,200	146,660	2.03	203
9/12/2021	72,100	146,460	2.03	203
9/13/2021	72,400	145,900	2.02	202
9/14/2021	72,300	159,700	2.21	221
9/15/2021	83,000	145,970	1.76	176
9/16/2021	87,500	146,660	1.68	168
9/17/2021	86,200	145,980	1.69	169
9/18/2021	85,200	149,610	1.76	176
9/19/2021	85,700	146,510	1.71	171
9/20/2021	82,700	146,300	1.77	177
9/21/2021	81,900	141,500	1.73	173
9/22/2021	80,500	146,800	1.82	182
9/23/2021	122,800	252,000	2.05	205
9/24/2021	144,800	337,900	2.33	233
9/25/2021	145,600	338,300	2.32	232
9/26/2021	147,200	337,600	2.29	229
9/27/2021	143,200	337,300	2.36	236
9/28/2021	143,500	321,000	2.24	224
9/29/2021	144,100	281,000	1.95	195
9/30/2021	144,000	293,700	2.04	204
SEP Averages	94,400	191,094	1.99	199

SEP Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	66	133

Notes:*Injection and recovery volumes lowered in August and September during BHP Pond liner repairs.**% = percent**GPM = gallons per minute*

Figure 1. Injection vs. Recovery Volumes - July

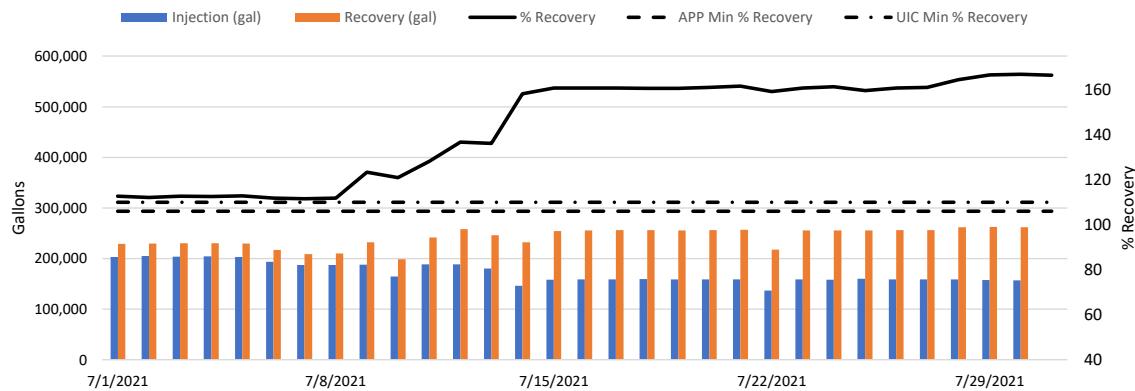


Figure 2. Injection vs. Recovery Volumes - August

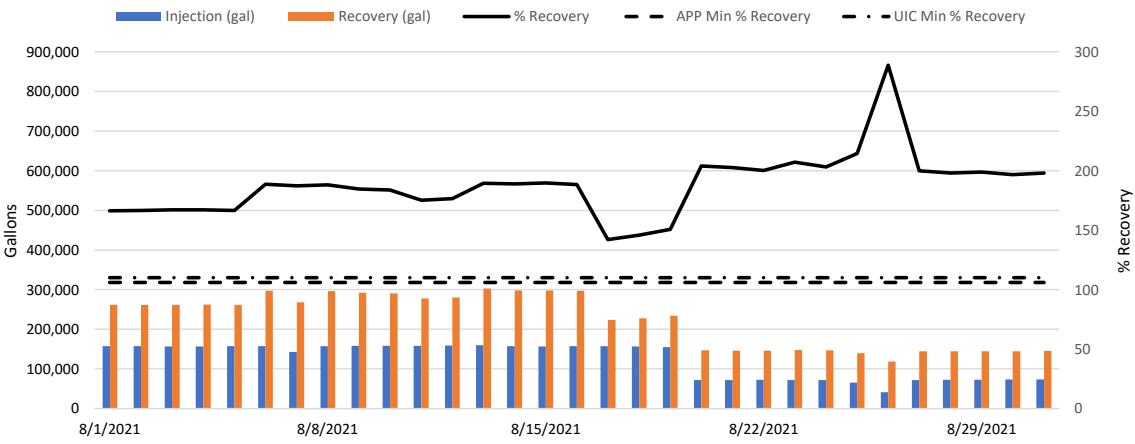
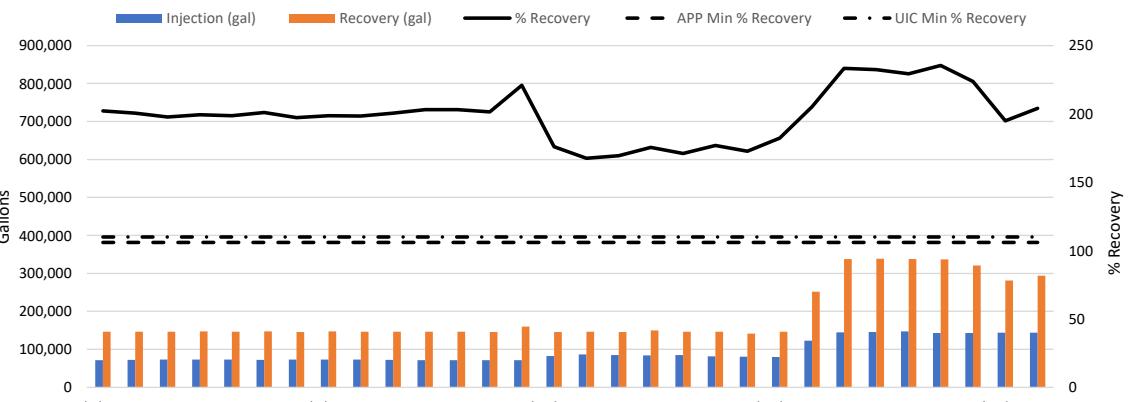


Figure 3. Injection vs. Recovery Volumes - September



Note:

Injection and recovery volumes lowered in August and September during BHP Pond liner repairs. All recovery rates are within acceptable limits.

ATTACHMENT 2

Graphical Representation of the Hydraulic Gradient in the ISCR Wellfield

OBSERVATION AND RECOVERY WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. July 2021 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
7/1/2021	1219.58	1229.88	1231.75	1188.66	1229.88	1221.33	1161.65	1221.33	1223.74	1153.11	1223.74	1113.15	1232.31	1148.81	1232.31	1230.92	NA	1230.92	1231.50	1209.87	1231.50	1231.75	1218.92
7/2/2021	1216.54	1230.81	1231.83	1190.19	1230.81	1221.80	1161.97	1221.80	1224.40	1154.58	1224.40	1123.11	1232.61	1150.47	1232.61	1231.14	NA	1231.14	1232.01	1210.87	1232.01	1231.83	1219.14
7/3/2021	1215.82	1231.34	1231.94	1193.01	1231.34	1222.35	1164.17	1222.35	1225.53	1156.19	1225.53	1133.81	1233.31	1152.56	1233.31	1231.89	NA	1231.89	1232.64	1212.22	1232.64	1231.94	1220.50
7/4/2021	1217.65	1233.20	1233.74	1194.91	1233.20	1224.27	1164.87	1224.27	1227.78	1156.19	1227.78	1135.49	1235.63	1154.45	1235.63	1233.94	NA	1233.94	1234.57	1213.94	1234.57	1233.74	1222.53
7/5/2021	1219.47	1235.04	1235.45	1197.05	1235.04	1226.21	1165.04	1226.21	1229.72	1156.32	1229.72	1137.26	1237.62	1156.15	1237.62	1235.83	NA	1235.83	1236.37	1215.72	1236.37	1235.45	1224.35
7/6/2021	1221.55	1236.10	1236.53	1202.32	1236.10	1227.50	1166.94	1227.50	1231.64	1160.00	1231.64	1138.76	1239.26	1207.11	1239.26	1237.13	1234.08	1237.13	1237.11	1219.64	1237.11	1234.08	1225.12
7/7/2021	1224.16	1238.12	1238.35	1208.91	1238.12	1229.85	1169.14	1229.85	1234.31	1163.06	1234.31	1142.27	1241.44	NA	1241.44	1239.03	1234.21	1239.03	1238.63	1223.24	1238.63	1238.35	1226.86
7/8/2021	1225.06	1238.92	1239.26	1209.25	1238.92	1230.67	1168.79	1230.67	1235.20	1162.62	1235.20	1143.95	1242.54	NA	1242.54	1240.00	1233.31	1240.00	1239.55	1224.12	1239.55	1239.26	1227.52
7/9/2021	1224.96	1238.54	1239.00	1210.26	1238.54	1230.86	1168.00	1230.86	1227.54	1162.62	1227.54	1142.25	1242.01	1180.41	1242.01	1239.16	1232.37	1239.16	1239.01	1223.75	1239.01	1239.00	1226.99
7/10/2021	1226.03	1238.69	1239.25	1216.93	1238.69	1232.18	1171.44	1232.18	1226.80	1167.49	1226.80	1159.36	1241.99	1192.17	1241.99	1239.09	1233.58	1239.09	1239.23	1226.54	1239.23	1239.25	1231.63
7/11/2021	1225.42	1238.90	1239.30	1212.25	1238.90	1231.98	1169.79	1231.98	1224.98	1162.80	1224.98	1143.89	1242.24	1186.56	1242.24	1239.18	1232.50	1239.18	1239.24	1224.32	1239.24	1239.30	1227.87
7/12/2021	1222.82	1235.51	1237.14	1191.33	1235.51	1226.08	1162.71	1226.08	1222.29	1152.02	1222.29	NA	1241.49	1158.46	1241.49	1237.43	1230.33	1237.43	1237.05	1215.76	1237.05	1237.14	1224.71
7/13/2021	1222.40	1234.33	1236.66	1189.75	1234.33	1224.54	1159.80	1224.54	1220.97	1151.83	1220.97	NA	1241.08	1188.07	1241.08	1237.28	1230.51	1237.28	1236.79	1221.61	1236.79	1236.66	1225.09
7/14/2021	1220.23	1231.28	1234.26	1189.04	1231.28	1221.99	1161.16	1221.99	1218.41	1153.62	1218.41	NA	1238.23	1192.67	1238.23	1234.70	1228.27	1234.70	1234.20	1220.43	1234.20	1234.26	1221.89
7/15/2021	1216.35	1227.17	1230.78	1179.51	1227.17	1216.70	1157.99	1216.70	1213.39	1148.12	1213.39	NA	1234.76	1185.75	1234.76	1231.03	1224.00	1231.03	1230.55	1215.39	1230.55	1230.78	1215.82
7/16/2021	1213.36	1222.84	1227.29	1175.09	1222.84	1211.33	1157.57	1211.33	1209.46	1147.07	1209.46	NA	1231.31	1182.07	1231.31	1227.58	1220.33	1227.58	1227.00	1209.37	1227.00	1227.29	1211.61
7/17/2021	1210.75	1220.61	1225.26	1172.79	1220.61	1209.01	1157.67	1209.01	1207.83	1146.56	1207.83	NA	1229.46	1176.70	1229.46	1225.58	1218.47	1225.58	1225.01	1207.23	1225.01	1225.26	1209.47
7/18/2021	1210.31	1220.29	1224.72	1172.37	1220.29	1209.22	1157.61	1209.22	1207.57	1146.27	1207.57	NA	1228.56	1166.02	1228.56	1224.68	1217.70	1224.68	1224.30	1206.54	1224.30	1224.72	1209.12
7/19/2021	1210.19	1220.23	1224.50	1172.26	1220.23	1209.82	1157.36	1209.82	1207.14	1146.02	1207.14	NA	1228.16	1165.67	1228.16	1224.28	1217.32	1224.28	1223.96	1206.18	1223.96	1224.50	1208.68
7/20/2021	1210.17	1220.19	1224.49	1172.35	1220.19	1210.09	1156.85	1210.09	1207.42	1145.96	1207.42	NA	1228.14	1165.79	1228.14	1224.26	1217.30	1224.26	1223.95	1206.07	1223.95	1224.49	1208.70
7/21/2021	1209.02	1218.65	1223.34	1180.10	1218.65	1207.41	1156.67	1207.41	1206.52	1152.00	1206.52	1156.48	1227.46	1165.19	1227.46	1223.52	1216.61	1223.52	1223.18	1206.07	1223.18	1223.34	1207.69
7/22/2021	1211.61	1221.36	1225.15	1198.06	1221.36	1211.85	1160.84	1211.85	1209.99	1162.54	1209.99	1168.45	1228.36	1175.53	1228.36	1224.93	1219.35	1224.93	1224.89	1211.73	1224.89	1225.15	1213.17
7/23/2021	1211.60	1221.70	1226.27	1192.87	1221.70	1210.67	1157.87	1210.67	1209.44	1159.20	1209.44	1149.50	1230.50	1168.93	1230.50	1226.49	1219.59	1226.49	1226.02	1210.73	1226.02	1226.27	1210.75
7/24/2021	1213.15	1223.03	1227.74	1192.69	1223.03	1211.84	1157.96	1211.84	1210.64	1159.19	1210.64	1147.56	1232.34	1170.50	1232.34	1228.16	1221.17	1228.16	1227				

Q3 2021 HYDRAULIC GRADIENT, DAILY AVERAGE WATER LEVEL ELEVATIONS

OBSERVATION AND RECOVERY WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

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Table 2. August 2021 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
8/1/2021	1212.16	1221.27	1226.35	1175.26	1221.27	1211.35	1162.77	1211.35	1216.47	1159.54	1216.47	1135.65	1231.13	1159.15	1231.13	1226.64	1219.70	1226.64	1226.05	1210.50	1226.05	1226.35	1207.13
8/2/2021	1209.78	1220.26	1226.00	1150.84	1220.26	1210.27	1162.44	1210.27	1216.94	1159.13	1216.94	1129.19	1230.68	1156.96	1230.68	1226.37	1219.35	1226.37	1226.01	1209.98	1226.01	1226.00	1206.84
8/3/2021	1211.44	1221.68	1226.55	1171.48	1221.68	1212.30	1162.44	1212.30	1213.80	1159.05	1213.80	1136.32	1230.66	1162.76	1230.66	1226.63	1219.98	1226.63	1226.38	NA	1226.38	1226.55	1199.62
8/4/2021	1211.18	1221.82	1226.32	1177.65	1221.82	1212.67	1161.92	1212.67	1210.62	1158.95	1210.62	1151.65	1230.36	1170.50	1230.36	1226.48	1219.66	1226.48	1226.10	NA	1226.10	1226.32	1199.02
8/5/2021	1211.59	1220.77	1226.06	1182.35	1220.77	1210.79	1162.34	1210.79	1209.94	1158.87	1209.94	1148.84	1231.08	1168.61	1231.08	1226.64	1219.77	1226.64	1225.88	NA	1225.88	1226.06	1195.04
8/6/2021	1212.46	1220.38	1226.71	1178.64	1220.38	1210.05	1160.77	1210.05	1210.60	1149.18	1210.60	1120.66	1232.27	1150.67	1232.27	1227.40	1220.56	1227.40	1226.62	NA	1226.62	1226.71	1188.61
8/7/2021	1213.77	1221.17	1227.79	1184.32	1221.17	1211.19	1162.42	1211.19	1208.84	1152.41	1208.84	1131.39	1233.58	1158.99	1233.58	1228.78	1222.47	1228.78	1227.88	NA	1227.88	1227.79	1194.59
8/8/2021	1212.46	1219.99	1227.08	1179.44	1219.99	1209.13	1160.48	1209.13	1210.61	1148.80	1210.61	1120.59	1233.30	1152.85	1233.30	1228.14	1221.15	1228.14	1227.20	NA	1227.20	1227.08	1189.55
8/9/2021	1212.66	1220.99	1227.40	1180.56	1220.99	1211.13	1160.71	1211.13	1210.07	1149.48	1210.07	1120.74	1233.67	1153.47	1233.67	1228.51	1221.43	1228.51	1227.40	NA	1227.40	1227.40	1190.74
8/10/2021	1212.79	1219.86	1221.44	1179.30	1219.86	1209.05	1160.54	1209.05	1208.89	1148.94	1208.89	1119.38	1233.67	1153.65	1233.67	1228.46	1221.44	1228.46	1227.44	NA	1227.44	1221.44	1189.55
8/11/2021	1214.04	1221.42	1228.59	1180.98	1221.42	1210.51	1160.85	1210.51	1210.54	1149.28	1210.54	1146.50	1235.06	1172.55	1235.06	1230.06	1223.06	1230.06	1228.93	NA	1228.93	1228.59	1194.23
8/12/2021	1214.41	1221.76	1228.86	1181.44	1221.76	1211.19	1160.86	1211.19	1209.42	1149.40	1209.42	1145.79	1235.36	1172.14	1235.36	1230.38	1223.40	1230.38	1229.28	NA	1229.28	1228.86	1194.33
8/13/2021	1211.02	1217.17	1225.28	1179.10	1217.17	1205.77	1160.32	1205.77	1205.27	1149.12	1205.27	1125.91	1233.14	1157.43	1233.14	1227.31	1220.13	1227.31	1225.73	1206.42	1225.73	1225.28	1187.10
8/14/2021	1209.77	1214.32	1223.09	1181.99	1214.32	1202.29	1157.65	1202.29	1203.11	1149.68	1203.11	1138.06	1232.11	1165.37	1232.11	1225.79	1218.25	1225.79	1223.69	1207.20	1223.69	1223.09	1184.69
8/15/2021	1209.83	1214.27	1223.00	1181.38	1214.27	1202.39	1158.89	1202.39	1203.31	1149.69	1203.31	1138.05	1232.19	1165.39	1232.19	1225.81	1218.18	1225.81	1223.67	1206.68	1223.67	1223.00	1184.67
8/16/2021	1210.64	1215.65	1224.50	1159.50	1215.65	1203.09	1159.48	1203.09	1203.09	1140.58	1203.09	1076.00	1232.09	1121.11	1232.09	1226.02	1218.91	1226.02	1224.90	1201.76	1224.90	1224.50	1185.11
8/17/2021	1218.16	1227.76	1233.31	1193.61	1227.76	1218.06	1165.53	1218.06	1220.52	1157.57	1220.52	1140.25	1238.33	1163.84	1238.33	1233.74	1226.90	1233.74	1233.29	1208.14	1233.29	1233.31	NA
8/18/2021	1217.82	1227.50	1234.33	1197.96	1227.50	1217.01	1166.24	1217.01	1221.82	1157.87	1221.82	1143.88	1239.75	1168.07	1239.75	1235.36	1228.81	1235.36	1234.79	1214.30	1234.79	1234.33	NA
8/19/2021	1215.59	1225.48	1232.31	1194.00	1225.48	1215.00	1165.14	1215.00	1221.41	1155.97	1221.41	1137.17	1237.95	1162.98	1237.95	1233.45	1226.87	1233.45	1232.83	1214.70	1232.83	1232.31	NA
8/20/2021	1221.11	1231.87	1235.44	1207.60	1231.87	1230.89	1169.19	1230.89	1230.00	1164.25	1230.00	1157.40	1239.26	1224.58	1239.26	1236.08	1231.25	1236.08	1235.41	1214.70	1235.41	1235.44	NA
8/21/2021	1219.35	1232.02	1235.40	1206.32	1232.02	1230.39	1168.66	1230.39	1229.41	1162.42	1229.41	1154.95	1238.98	1224.40	1238.98	1235.94	1226.97	1235.94	1235.28	1220.47	1235.28	1235.40	NA
8/22/2021	1221.41	1232.03	1235.60	1208.23	1232.03	1230.94	1169.38	1230.94	1230.03	1164.02	1230.03	1156.98	1239.04	1224.53	1239.04	1236.05	1231.36	1236.05	1235.40	1220.71	1235.40	1235.60	NA
8/23/2021	1219.87	1231.02	1234.46	1206.59	1231.02	1230.44	1147.27	1230.44	1229.62	1141.44	1229.62	1156.66	1238.05	1223.39	1238.05	1234.95	1229.85	1234.95	1234.27	1219.53	1234.27	1234.46	NA
8/24/2021	1218.60	1228.97	1232.56	1205.39	1228.97	1227.45	1140.73	1227.45	1227.03	1139.51	1227.03	1153.61	1235.86	1221.27	1235.86	1232.95	1228.36	1232.95	1232.34				

Q3 2021 HYDRAULIC GRADIENT, DAILY AVERAGE WATER LEVEL ELEVATIONS

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OBSERVATION AND RECOVERY WELLS

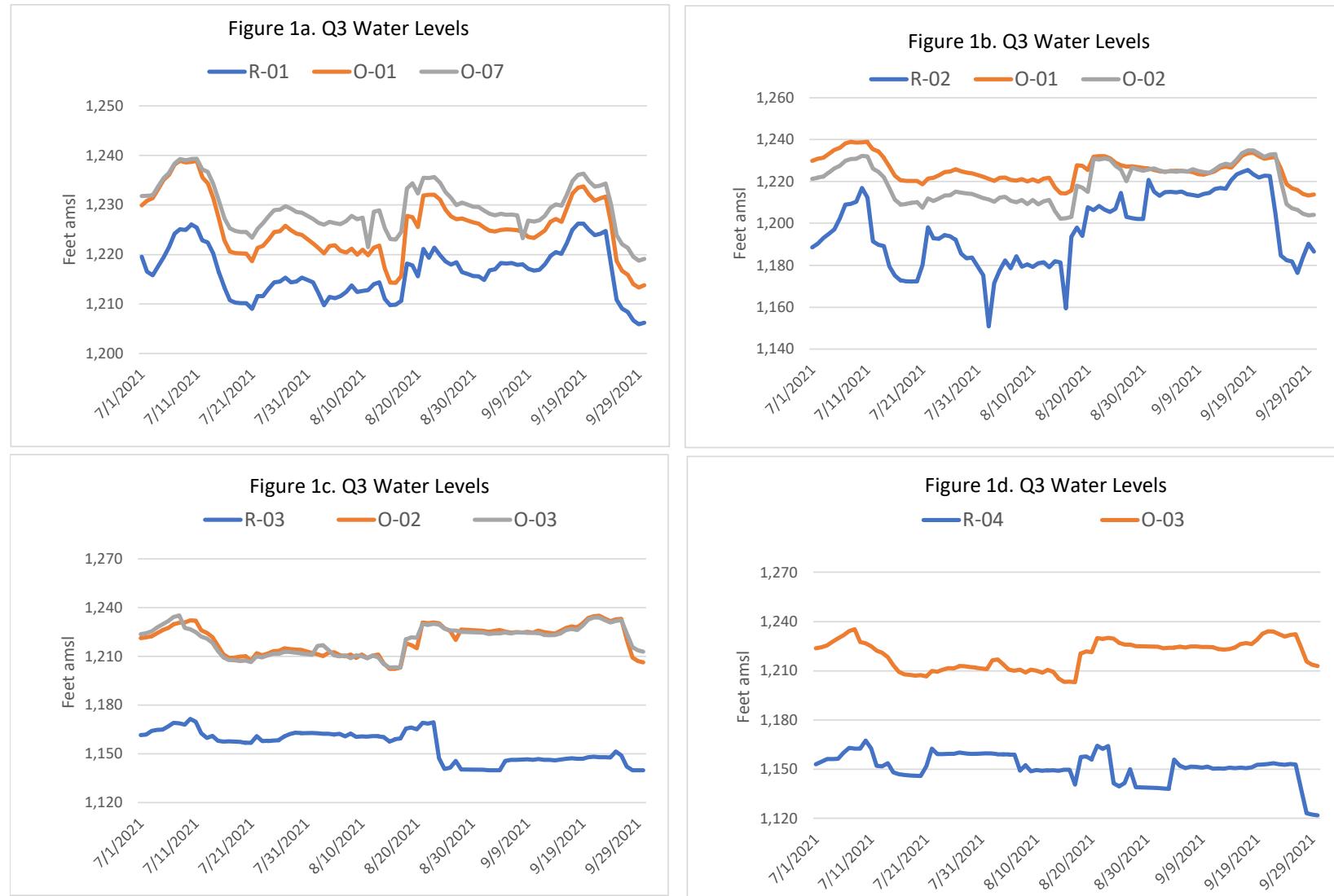
FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. September 2021 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
9/1/2021	1216.79	1224.79	1228.17	1215.15	1224.79	1225.24	1145.70	1225.24	1224.69	1152.05	1224.69	1191.72	1231.58	1216.17	1231.58	1228.33	1223.81	1228.33	1227.58	1218.51	1227.58	1228.17	1211.31
9/2/2021	1217.04	1224.62	1227.85	1213.18	1224.62	1224.64	1146.36	1224.64	1224.19	1150.72	1224.19	1194.30	1231.28	1215.79	1231.28	1227.98	1223.45	1227.98	1227.19	1218.25	1227.19	1227.85	1210.60
9/3/2021	1218.31	1224.95	1228.17	1214.89	1224.95	1224.95	1146.32	1224.95	1224.84	1151.61	1224.84	1192.64	1231.32	1204.41	1231.32	1228.13	1224.74	1228.13	1227.53	1218.90	1227.53	1228.17	1211.21
9/4/2021	1218.20	1225.05	1227.99	1215.03	1225.05	1224.61	1146.50	1224.61	1224.80	1151.37	1224.80	1194.06	1231.26	1215.60	1231.26	1228.05	1223.69	1228.05	1227.30	1218.50	1227.30	1227.99	1211.14
9/5/2021	1218.29	1224.96	1228.04	1214.80	1224.96	1225.14	1146.65	1225.14	1224.49	1150.98	1224.49	1195.54	1231.39	1216.18	1231.39	1228.12	1223.72	1228.12	1227.35	1218.63	1227.35	1228.04	1211.21
9/6/2021	1217.94	1224.86	1227.85	1215.17	1224.86	1224.61	1146.29	1224.61	1224.53	1151.55	1224.53	1193.10	1231.20	1215.93	1231.20	1227.97	1223.55	1227.97	1227.16	1218.50	1227.16	1227.85	1211.02
9/7/2021	1218.02	1224.52	1223.26	1213.91	1224.52	1225.88	1146.81	1225.88	1224.36	1150.37	1224.36	1196.28	1230.82	1215.64	1230.82	1227.67	1223.26	1227.67	1226.85	1220.60	1226.85	1223.26	1210.85
9/8/2021	1217.14	1223.50	1226.82	1213.52	1223.50	1225.03	1146.42	1225.03	1223.27	1150.50	1223.27	1194.37	1229.98	1214.83	1229.98	1226.95	1222.51	1226.95	1226.11	1218.29	1226.11	1226.82	1209.83
9/9/2021	1216.75	1223.29	1226.58	1213.04	1223.29	1224.50	1146.42	1224.50	1223.02	1150.29	1223.02	1194.52	1224.50	1214.58	1224.50	1226.69	1222.27	1226.69	1225.86	1222.53	1225.86	1226.58	1209.63
9/10/2021	1216.92	1224.02	1226.85	1214.06	1224.02	1224.08	1146.06	1224.08	1223.29	1150.95	1223.29	1192.31	1228.50	1214.80	1228.50	1226.89	1222.51	1226.89	1226.10	1217.81	1226.10	1226.85	1210.22
9/11/2021	1218.05	1224.81	1227.75	1214.55	1224.81	1225.72	1146.56	1225.72	1224.17	1150.61	1224.17	1195.19	1229.95	1215.80	1229.95	1227.99	1223.54	1227.99	1227.07	1218.14	1227.07	1227.75	1211.24
9/12/2021	1219.67	1226.54	1229.42	1216.43	1226.54	1227.58	1146.92	1227.58	1226.22	1151.05	1226.22	1197.67	1232.04	1217.64	1232.04	1229.81	1225.34	1229.81	1228.83	1222.60	1228.83	1229.42	1212.96
9/13/2021	1220.47	1227.15	1230.08	1216.83	1227.15	1228.50	1147.30	1228.50	1226.91	1150.72	1226.91	1200.64	1232.96	1218.37	1232.96	1230.59	1226.10	1230.59	1229.55	1223.55	1229.55	1230.08	1213.57
9/14/2021	1220.09	1226.56	1229.82	1216.49	1226.56	1227.84	1146.93	1227.84	1226.28	1151.09	1226.28	1198.68	1233.00	1218.14	1233.00	1230.51	1225.97	1230.51	1229.38	1224.60	1229.38	1229.82	1212.98
9/15/2021	1222.24	1229.38	1232.15	1220.65	1229.38	1230.49	1146.96	1230.49	1229.01	1152.69	1229.01	1198.11	1235.02	1220.60	1235.02	1232.64	1228.28	1232.64	1231.64	1227.53	1231.64	1232.15	1216.08
9/16/2021	1224.96	1232.30	1234.85	1223.31	1232.30	1233.59	1147.94	1233.59	1232.69	1152.80	1232.69	1203.42	1237.78	1223.59	1237.78	1235.44	1231.02	1235.44	1234.40	1229.82	1234.40	1234.85	1219.64
9/17/2021	1226.18	1233.43	1236.03	1224.48	1233.43	1234.78	1148.33	1234.78	1234.01	1153.13	1234.01	1206.62	1239.15	1224.24	1239.15	1236.71	1232.28	1236.71	1235.65	1231.27	1235.65	1236.03	1220.93
9/18/2021	1226.23	1233.70	1236.28	1225.49	1233.70	1234.93	1147.89	1234.93	1233.96	1153.67	1233.96	1202.71	1239.24	1225.07	1239.24	1236.86	1232.46	1236.86	1235.84	1231.91	1235.84	1236.28	1221.04
9/19/2021	1224.95	1232.06	1234.78	1223.36	1232.06	1233.34	1147.95	1233.34	1232.34	1152.97	1232.34	1203.33	1237.61	1223.50	1237.61	1235.30	1230.94	1235.30	1234.32	1230.31	1234.32	1234.78	1219.46
9/20/2021	1223.89	1230.81	1233.66	1221.87	1230.81	1231.72	1147.83	1231.72	1230.94	1152.65	1230.94	1202.69	1236.63	1222.28	1236.63	1234.21	1229.81	1234.21	1233.16	1229.27	1233.16	1233.66	1218.09
9/21/2021	1224.14	1231.32	1233.89	1222.75	1231.32	1232.85	1151.44	1232.85	1231.87	1153.15	1231.87	1198.84	1237.00	1222.35	1237.00	1234.36	1229.90	1234.36	1233.29	1229.34	1233.29	1233.89	1218.34
9/22/2021	1224.69	1231.68	1234.30	1222.55	1231.68	1233.09	1149.11	1233.09	1232.29	1152.84	1232.29	1206.77	1238.11	1222.13	1238.11	1235.13	1230.62	1235.13	1233.81	1228.71	1233.81	1234.30	1218.53
9/23/2021	1217.84	1226.19	1229.98	1205.02	1226.19	1220.33	1142.13	1220.33	1224.16	1137.74	1224.16	1158.65	1234.54	1175.61	1234.54	1230.68	1225.16	1230.68	1229.44	1220.91	1229.44	1229.98	1209.40
9/24/2021	1210.88	1218.70	1223.87	1184.79	1218.70	1209.20	1139.91	1209.20	1215.67	1123.11	1215.6												

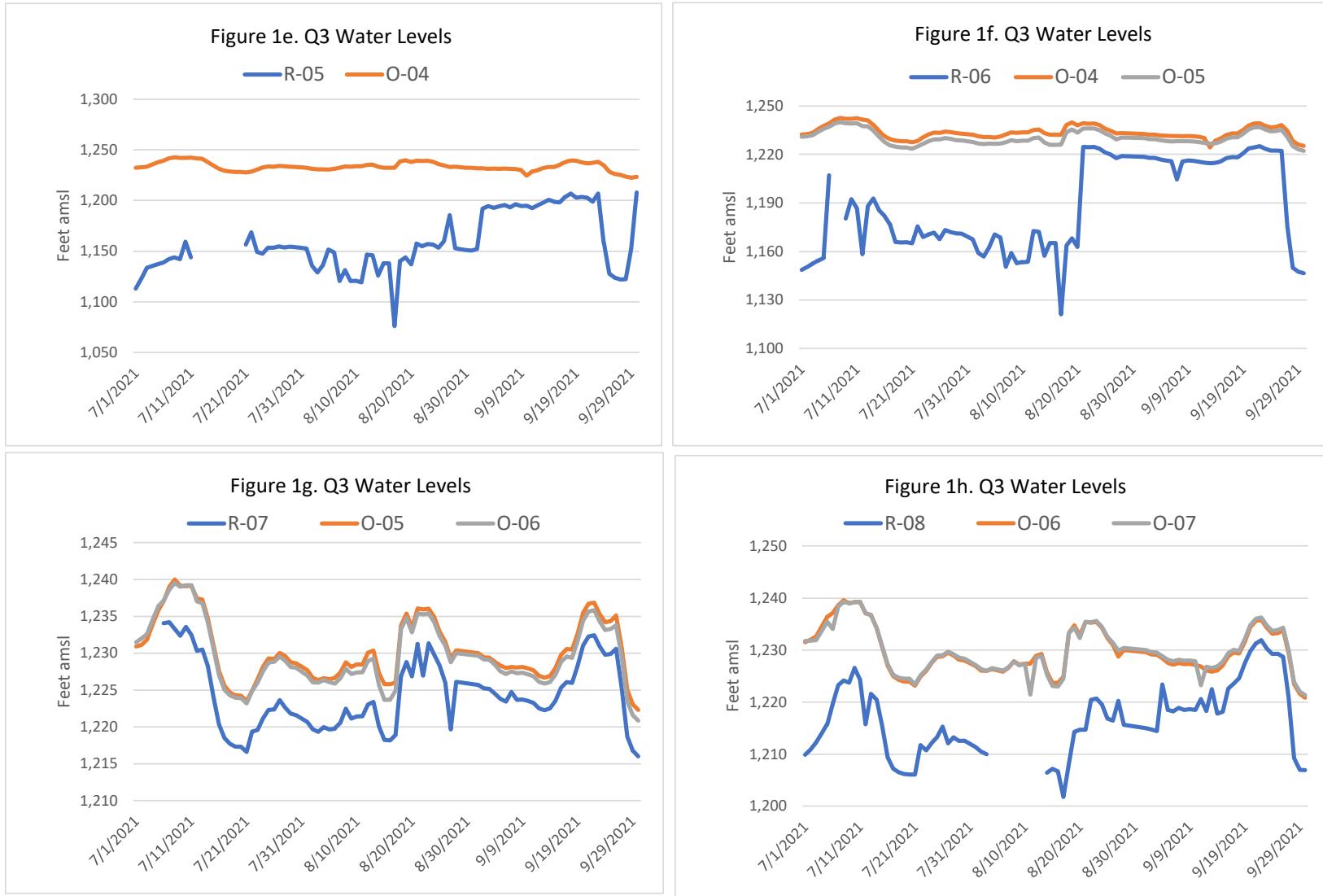
Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells



Notes:

Refer to preceding Daily Average Water Level Elevations Tables (Tables 1 - 3) for details on missing data points.

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells



Notes:

Refer to preceding Daily Average Water Level Elevation Tables (Tables 1 - 3) for details on missing data points.

Q3 2021 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

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Table 4. July 2021 Daily Hydraulic Gradient for Recovery Well Pairings

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients > 1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
7/1/2021	10.31	12.18	41.23	32.68	59.68	62.09	70.63	119.16	83.50	82.11	NA	NA	21.63	21.88	Yes
7/2/2021	14.27	15.29	40.62	31.61	59.83	62.43	69.82	109.50	82.14	80.67	NA	NA	21.14	20.96	Yes
7/3/2021	15.52	16.11	38.33	29.34	58.19	61.37	69.34	99.50	80.76	79.34	NA	NA	20.42	19.72	Yes
7/4/2021	15.56	16.09	38.29	29.35	59.40	62.91	71.59	100.14	81.18	79.49	NA	NA	20.64	19.80	Yes
7/5/2021	15.57	15.99	37.99	29.17	61.17	64.68	73.40	100.36	81.46	79.67	NA	NA	20.65	19.74	Yes
7/6/2021	14.55	14.98	33.78	25.18	60.55	64.69	71.64	100.50	32.15	30.01	3.05	3.03	17.47	14.44	Yes
7/7/2021	13.96	14.19	29.22	20.94	60.71	65.17	71.25	99.17	NA	NA	4.82	4.42	15.38	15.11	Yes
7/8/2021	13.86	14.19	29.67	21.42	61.89	66.41	72.58	98.59	NA	NA	6.69	6.24	15.42	15.14	Yes
7/9/2021	13.58	14.04	28.28	20.60	62.86	59.54	64.92	99.76	61.60	58.75	6.79	6.64	15.26	15.25	Yes
7/10/2021	12.66	13.22	21.76	15.25	60.74	55.36	59.31	82.63	49.82	46.92	5.51	5.65	12.69	12.71	Yes
7/11/2021	13.49	13.89	26.66	19.73	62.19	55.19	62.18	98.35	55.69	52.62	6.68	6.74	14.91	14.98	Yes
7/12/2021	12.69	14.32	44.19	34.76	63.37	59.58	70.27	NA	83.04	78.97	7.09	6.72	21.29	21.38	Yes
7/13/2021	11.93	14.26	44.58	34.79	64.74	61.17	69.14	NA	53.01	49.21	6.77	6.28	15.18	15.05	Yes
7/14/2021	11.05	14.03	42.24	32.95	60.82	57.25	64.80	NA	45.55	42.03	6.44	5.93	13.76	13.83	Yes
7/15/2021	10.82	14.43	47.66	37.19	58.71	55.40	65.27	NA	49.01	45.28	7.03	6.55	15.16	15.39	Yes
7/16/2021	9.48	13.93	47.75	36.24	53.76	51.89	62.39	NA	49.24	45.51	7.25	6.67	17.63	17.92	Yes
7/17/2021	9.86	14.51	47.82	36.22	51.34	50.16	61.28	NA	52.76	48.88	7.11	6.54	17.78	18.03	Yes
7/18/2021	9.98	14.41	47.92	36.85	51.61	49.96	61.30	NA	62.54	58.66	6.98	6.59	17.75	18.18	Yes
7/19/2021	10.05	14.32	47.97	37.56	52.47	49.78	61.12	NA	62.48	58.61	6.96	6.64	17.79	18.33	Yes
7/20/2021	10.02	14.33	47.83	37.74	53.24	50.56	61.46	NA	62.35	58.47	6.96	6.64	17.87	18.42	Yes
7/21/2021	9.63	14.32	38.54	27.30	50.73	49.84	54.51	70.97	62.26	58.33	6.92	6.57	17.10	17.26	Yes
7/22/2021	9.76	13.54	23.30	13.79	51.01	49.14	47.44	59.91	52.83	49.40	5.58	5.54	13.17	13.42	Yes
7/23/2021	10.10	14.67	28.83	17.80	52.80	51.57	50.24	81.00	61.57	57.56	6.90	6.43	15.29	15.54	Yes
7/24/2021	9.88	14.59	30.34	19.15	53.88	52.68	51.45	84.78	61.84	57.66	6.99	6.39	15.43	15.61	Yes
7/25/2021	10.11	14.57	30.11	18.94	55.05	53.47	52.33	79.88	61.78	57.65	7.00	6.42	15.42	15.63	Yes
7/26/2021	10.11	14.47	30.80	19.57	55.02	53.17	52.26	79.75	65.51	61.50	6.85	6.46	13.53	13.72	Yes
7/27/2021	10.42	14.37	33.61	22.91	54.30	52.04	52.66	79.34	60.77	56.76	6.38	5.89	17.46	17.65	Yes
7/28/2021	10.52	14.86	39.31	29.01	52.27	50.43	53.09	80.05	61.89	57.69	7.00	6.37	15.74	15.98	Yes
7/29/2021	9.62	14.01	40.81	30.86	51.19	49.19	52.81	78.54	62.02	57.66	6.98	6.35	15.59	16.00	Yes
7/30/2021	8.55	13.02	40.18	30.32	51.27	49.10	52.44	78.89	61.91	57.70	7.04	6.43	15.42	15.77	Yes
7/31/2021	7.83	12.77	40.13	30.01	49.27	48.19	51.24	79.39	64.81	60.35	7.02	6.28	15.57	15.75	Yes

Notes:

All measurements in elevation above mean sea level.

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

R-07 Refurbished July 1 - 5, 2021

R-06 refurbished July 7 - 8, 2021

R-05 refurbished July 12 - 20, 2021

Q3 2021 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

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Table 5. August 2021 Daily Hydraulic Gradient for Recovery Well Pairings

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients > 1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
8/1/2021	9.11	14.18	46.02	36.09	48.58	53.70	56.93	95.48	71.98	67.50	6.94	6.35	15.55	15.85	Yes
8/2/2021	10.49	16.23	69.43	59.43	47.83	54.50	57.81	101.49	73.72	69.42	7.02	6.66	16.03	16.02	Yes
8/3/2021	10.24	15.11	50.21	40.82	49.87	51.37	54.76	94.35	67.90	63.87	6.65	6.40	NA	NA	Yes
8/4/2021	10.64	15.13	44.16	35.02	50.76	48.71	51.67	78.71	59.86	55.98	6.82	6.45	NA	NA	Yes
8/5/2021	9.19	14.48	38.42	28.44	48.45	47.60	51.07	82.24	62.47	58.02	6.87	6.11	NA	NA	Yes
8/6/2021	7.92	14.25	41.74	31.41	49.28	49.83	61.42	111.61	81.60	76.73	6.84	6.06	NA	NA	Yes
8/7/2021	7.39	14.02	36.85	26.87	48.77	46.42	56.43	102.19	74.59	69.80	6.32	5.42	NA	NA	Yes
8/8/2021	7.53	14.62	40.56	29.69	48.65	50.13	61.81	112.71	80.45	75.29	6.99	6.05	NA	NA	Yes
8/9/2021	8.34	14.75	40.43	30.57	50.42	49.36	60.59	112.93	80.21	75.04	7.08	5.97	NA	NA	Yes
8/10/2021	7.07	8.65	40.57	29.76	48.51	48.35	59.95	114.29	80.01	74.81	7.02	6.00	NA	NA	Yes
8/11/2021	7.38	14.55	40.44	29.53	49.66	49.69	61.26	88.57	62.52	57.51	7.01	5.88	NA	NA	Yes
8/12/2021	7.35	14.45	40.31	29.75	50.33	48.56	60.02	89.57	63.21	58.24	6.98	5.88	NA	NA	Yes
8/13/2021	6.16	14.26	38.07	26.67	45.45	44.96	56.15	107.23	75.71	69.88	7.18	5.61	19.31	18.86	Yes
8/14/2021	4.56	13.32	32.34	20.30	44.64	45.46	53.44	94.05	66.75	60.42	7.54	5.44	16.49	15.89	Yes
8/15/2021	4.45	13.18	32.89	21.01	43.50	44.42	53.62	94.13	66.79	60.42	7.63	5.49	16.99	16.32	Yes
8/16/2021	5.01	13.86	56.15	43.59	43.61	43.61	62.51	156.09	110.98	104.91	7.11	5.99	23.14	22.74	Yes
8/17/2021	9.60	15.14	34.15	24.45	52.53	54.98	62.95	98.08	74.49	69.90	6.84	6.39	25.15	25.17	Yes
8/18/2021	9.68	16.51	29.53	19.05	50.77	55.58	63.95	95.87	71.67	67.29	6.55	5.97	20.49	20.03	Yes
8/19/2021	9.89	16.72	31.48	21.00	49.86	56.27	65.44	100.78	74.97	70.47	6.57	5.96	18.13	17.61	Yes
8/20/2021	10.76	14.33	24.27	23.29	61.69	60.81	65.76	81.86	14.68	11.50	4.83	4.17	20.71	20.74	Yes
8/21/2021	12.68	16.05	25.71	24.08	61.73	60.75	66.99	84.03	14.58	11.54	8.96	8.31	14.81	14.93	Yes
8/22/2021	10.61	14.19	23.80	22.72	61.56	60.65	66.02	82.06	14.51	11.52	4.69	4.04	14.69	14.89	Yes
8/23/2021	11.15	14.60	24.42	23.85	83.17	82.35	88.18	81.39	14.66	11.56	5.10	4.42	14.74	14.93	Yes
8/24/2021	10.37	13.96	23.57	22.05	86.72	86.30	87.52	82.25	14.59	11.68	4.59	3.98	15.49	15.71	Yes
8/25/2021	9.72	13.46	20.81	18.80	84.07	84.41	84.50	74.61	14.57	11.63	5.57	5.02	14.56	14.95	Yes
8/26/2021	8.61	11.46	12.57	5.65	74.44	80.26	75.96	47.56	15.31	11.69	9.64	9.13	8.50	9.66	Yes
8/27/2021	10.81	14.01	24.23	23.55	86.14	84.65	86.09	80.15	14.25	11.48	4.26	3.90	14.39	14.80	Yes
8/28/2021	10.76	13.96	24.39	23.28	85.54	84.48	86.16	80.63	14.21	11.54	4.28	3.93	14.62	15.02	Yes
8/29/2021	10.78	13.95	24.42	23.12	85.13	83.77	85.59	81.08	14.30	11.60	4.22	3.94	14.44	14.89	Yes
8/30/2021	10.56	13.94	24.14	23.72	85.78	84.15	86.07	81.36	14.31	11.60	4.23	3.94	14.64	15.07	Yes
8/31/2021	10.56	13.96	4.69	5.49	86.24	84.13	68.36	79.58	14.86	12.03	4.30	3.91	5.09	5.46	Yes

Notes:

All measurements in elevation above mean sea level.

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

R-08 redevelopment August 3 - 12, 2021

Q3 2021 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

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Table 6. September 2021 Daily Hydraulic Gradient for Recovery Well Pairings

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients > 1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
9/1/2021	8.00	11.38	9.64	10.09	79.54	78.99	72.65	39.86	15.41	12.16	4.53	3.77	9.07	9.66	Yes
9/2/2021	7.58	10.81	11.44	11.46	78.28	77.83	73.47	36.98	15.49	12.19	4.53	3.74	8.94	9.60	Yes
9/3/2021	6.64	9.86	10.06	10.06	78.63	78.52	73.23	38.68	26.91	23.72	3.39	2.79	8.63	9.27	Yes
9/4/2021	6.85	9.79	10.02	9.58	78.11	78.30	73.43	37.20	15.66	12.45	4.36	3.61	8.80	9.49	Yes
9/5/2021	6.67	9.75	10.16	10.34	78.49	77.84	73.51	35.85	15.21	11.94	4.40	3.63	8.72	9.41	Yes
9/6/2021	6.92	9.92	9.69	9.44	78.32	78.24	72.98	38.10	15.28	12.05	4.42	3.61	8.66	9.35	Yes
9/7/2021	6.50	5.24	10.61	11.97	79.07	77.55	73.99	34.55	15.19	12.03	4.42	3.59	6.25	2.66	Yes
9/8/2021	6.37	9.68	9.99	11.51	78.61	76.85	72.77	35.61	15.15	12.12	4.44	3.61	7.82	8.53	Yes
9/9/2021	6.53	9.83	10.25	11.47	78.09	76.60	72.73	29.98	9.92	12.11	4.43	3.59	3.33	4.05	Yes
9/10/2021	7.10	9.93	9.96	10.02	78.02	77.23	72.34	36.19	13.70	12.08	4.37	3.59	8.29	9.04	Yes
9/11/2021	6.76	9.70	10.26	11.17	79.16	77.61	73.56	34.76	14.15	12.19	4.45	3.53	8.93	9.61	Yes
9/12/2021	6.87	9.75	10.11	11.15	80.66	79.30	75.17	34.37	14.40	12.17	4.47	3.49	6.23	6.82	Yes
9/13/2021	6.68	9.62	10.31	11.67	81.20	79.61	76.19	32.32	14.59	12.21	4.49	3.44	6.00	6.54	Yes
9/14/2021	6.47	9.73	10.07	11.35	80.91	79.35	75.19	34.32	14.86	12.37	4.54	3.41	4.78	5.22	Yes
9/15/2021	7.14	9.91	8.73	9.84	83.54	82.05	76.32	36.91	14.43	12.04	4.36	3.36	4.11	4.62	Yes
9/16/2021	7.35	9.89	8.99	10.28	85.64	84.75	79.89	34.36	14.19	11.85	4.42	3.38	4.59	5.03	Yes
9/17/2021	7.25	9.85	8.95	10.30	86.45	85.68	80.88	32.53	14.91	12.47	4.43	3.37	4.38	4.76	Yes
9/18/2021	7.47	10.05	8.21	9.44	87.04	86.07	80.29	36.53	14.17	11.79	4.40	3.38	3.93	4.37	Yes
9/19/2021	7.12	9.83	8.71	9.99	85.40	84.39	79.37	34.27	14.11	11.80	4.37	3.38	4.01	4.47	Yes
9/20/2021	6.92	9.76	8.93	9.84	83.89	83.12	78.30	33.94	14.35	11.93	4.40	3.35	3.89	4.39	Yes
9/21/2021	7.18	9.75	8.57	10.09	81.41	80.44	78.73	38.17	14.65	12.01	4.47	3.39	3.95	4.56	Yes
9/22/2021	6.99	9.61	9.13	10.53	83.98	83.18	79.45	31.33	15.97	13.00	4.51	3.19	5.10	5.59	Yes
9/23/2021	8.35	12.14	21.17	15.31	78.20	82.03	86.41	75.90	58.93	55.07	5.52	4.28	8.53	9.07	Yes
9/24/2021	7.82	12.99	33.92	24.42	69.29	75.77	92.56	100.58	78.20	74.97	6.32	4.78	14.25	14.65	Yes
9/25/2021	7.68	12.96	34.22	24.66	67.26	73.85	91.45	102.28	78.55	75.55	6.31	4.82	14.62	15.04	Yes
9/26/2021	7.52	12.97	34.07	24.61	66.51	73.07	91.14	103.22	78.60	75.65	6.27	4.84	13.91	14.42	Yes
9/27/2021	7.29	12.82	37.65	28.20	64.66	71.24	89.99	101.12	79.25	76.35	6.32	4.86	14.46	14.96	Yes
9/28/2021	7.42	12.85	29.44	19.93	63.20	69.86	79.80	70.22	66.71	63.88	6.26	4.82	10.23	10.66	Yes
9/29/2021	7.61	12.93	23.62	13.87	64.19	70.97	82.82	15.49	61.69	58.65	6.29	4.76	8.35	8.70	Yes
9/30/2021	7.35	13.08	26.20	15.72	62.42	68.95	81.68	60.37	68.88	66.35	3.84	2.48	10.79	10.94	Yes

Notes:

All measurements in elevation above mean sea level.

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1i. Hydraulic Gradient for Wells Paired with R-01

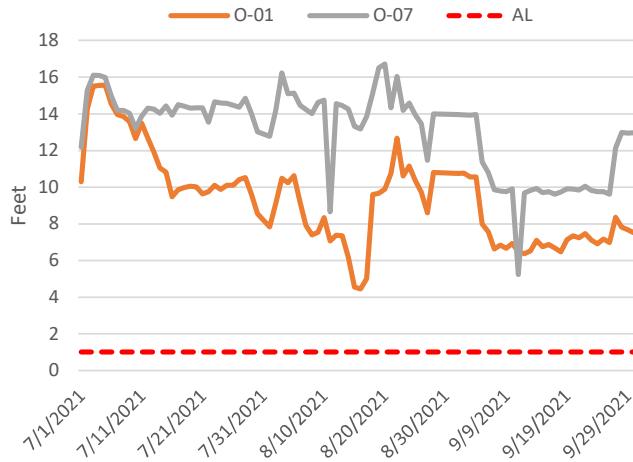


Figure 1j. Hydraulic Gradient for Wells Paired with R-02

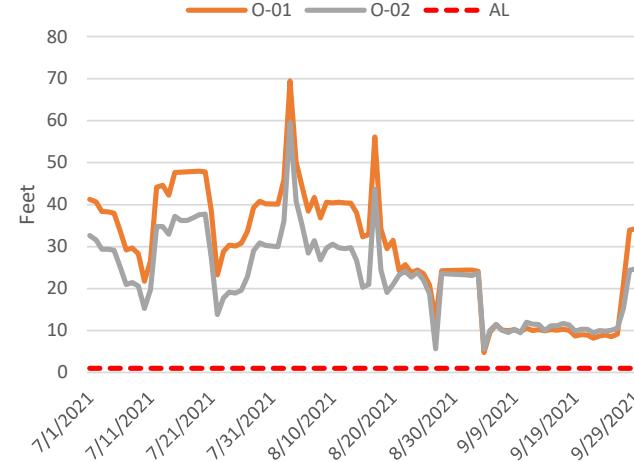
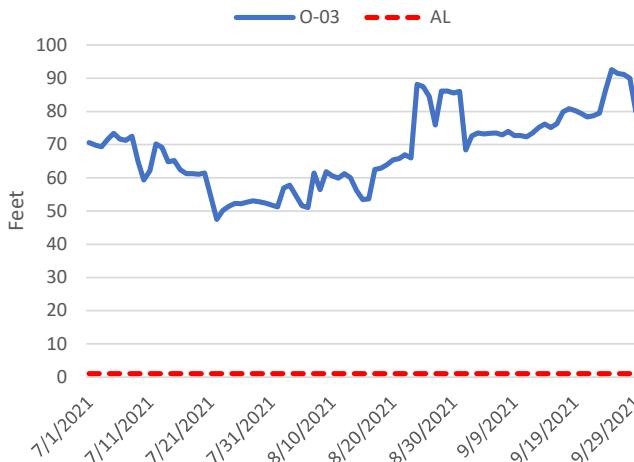


Figure 1k. Hydraulic Gradient for Wells Paired with R-03



Figure 1l. Hydraulic Gradient for Wells Paired with R-04



Notes:

Refer to preceding Daily Hydraulic Gradient for Recovery Well Pairings Tables (Tables 4 - 6) for details on missing data points.

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1m. Hydraulic Gradient for Wells Paired with R-05



Figure 1n. Hydraulic Gradient for Wells Paired with R-06

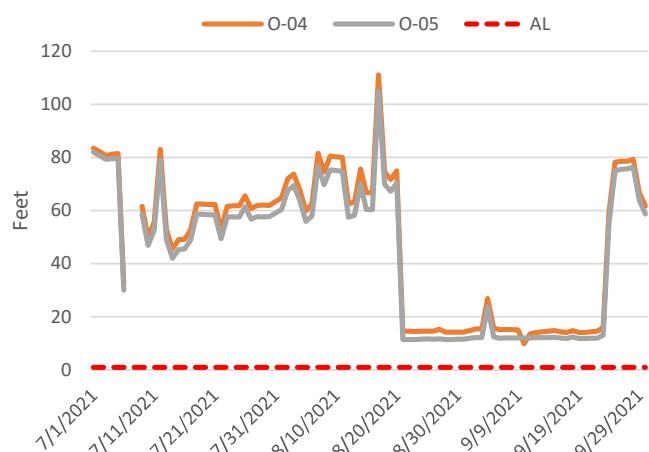


Figure 1o. Hydraulic Gradient for Wells Paired with R-07

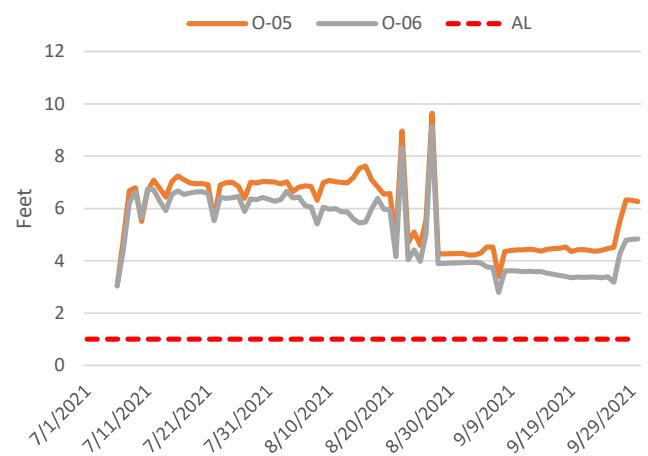
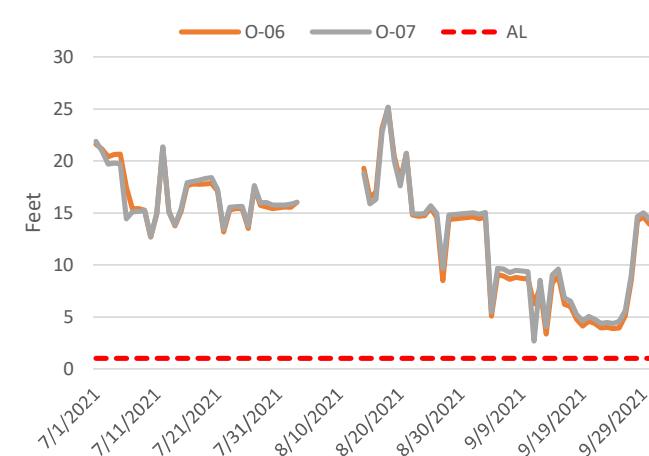


Figure 1p. Hydraulic Gradient for Wells Paired with R-08

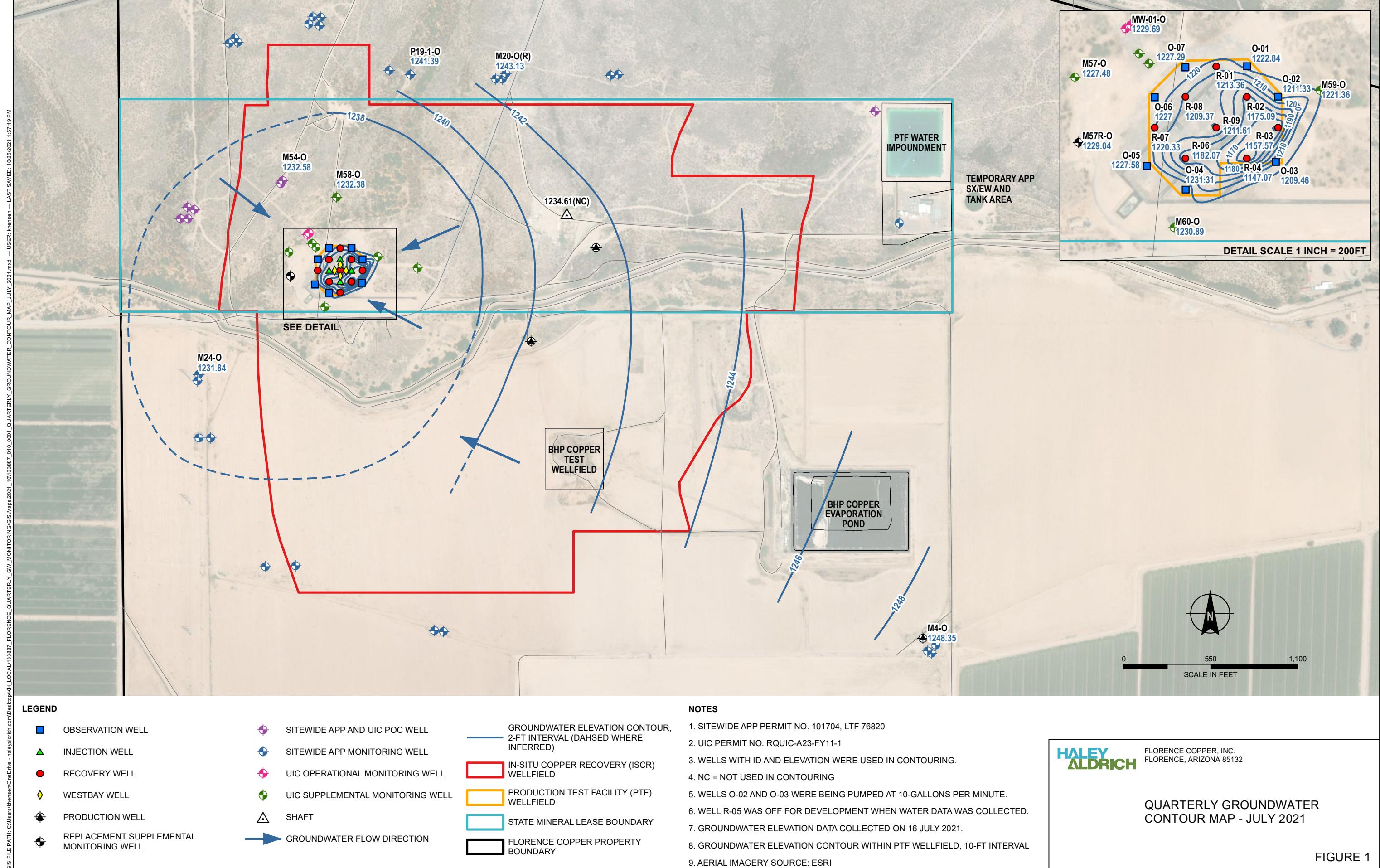


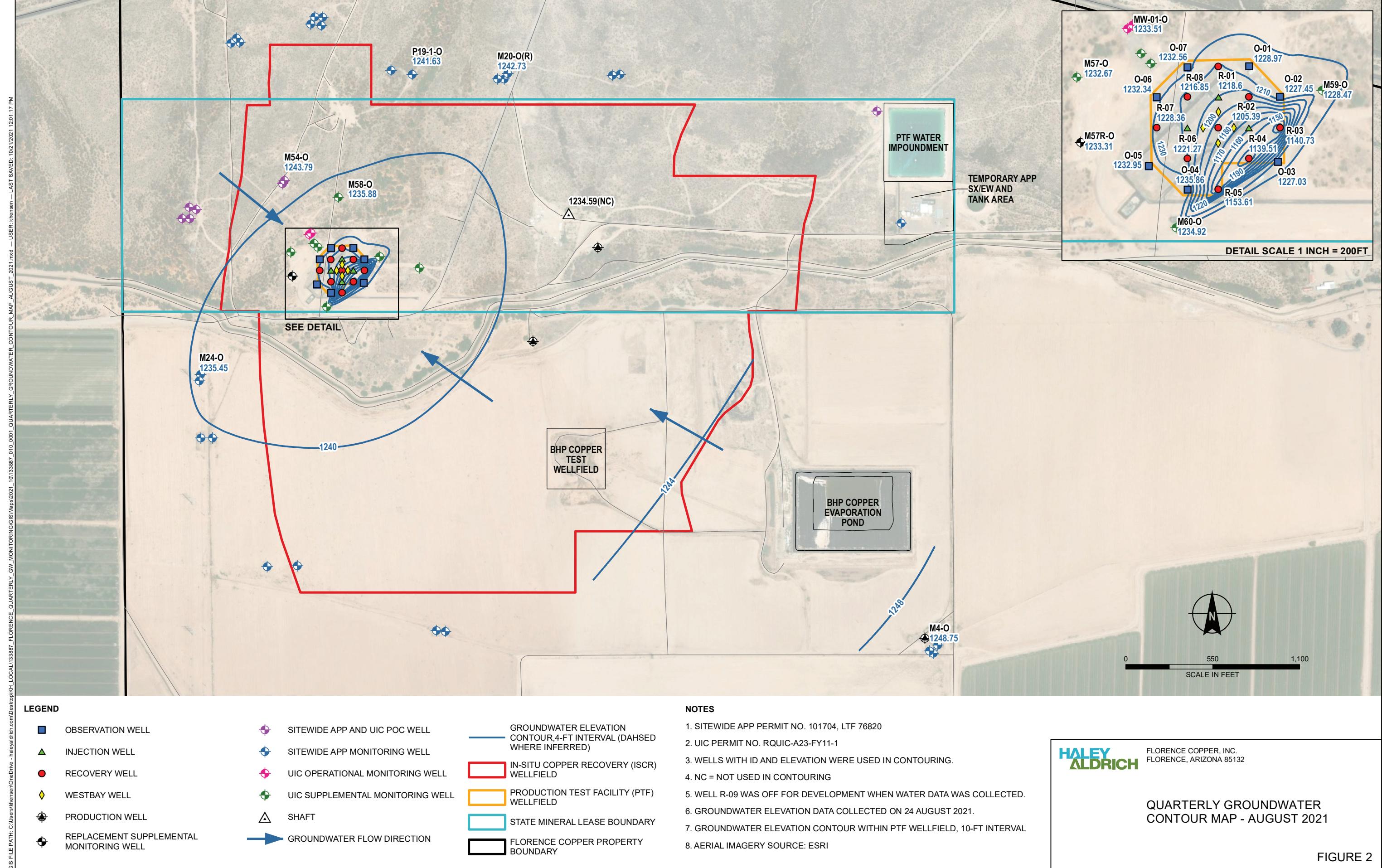
Notes:

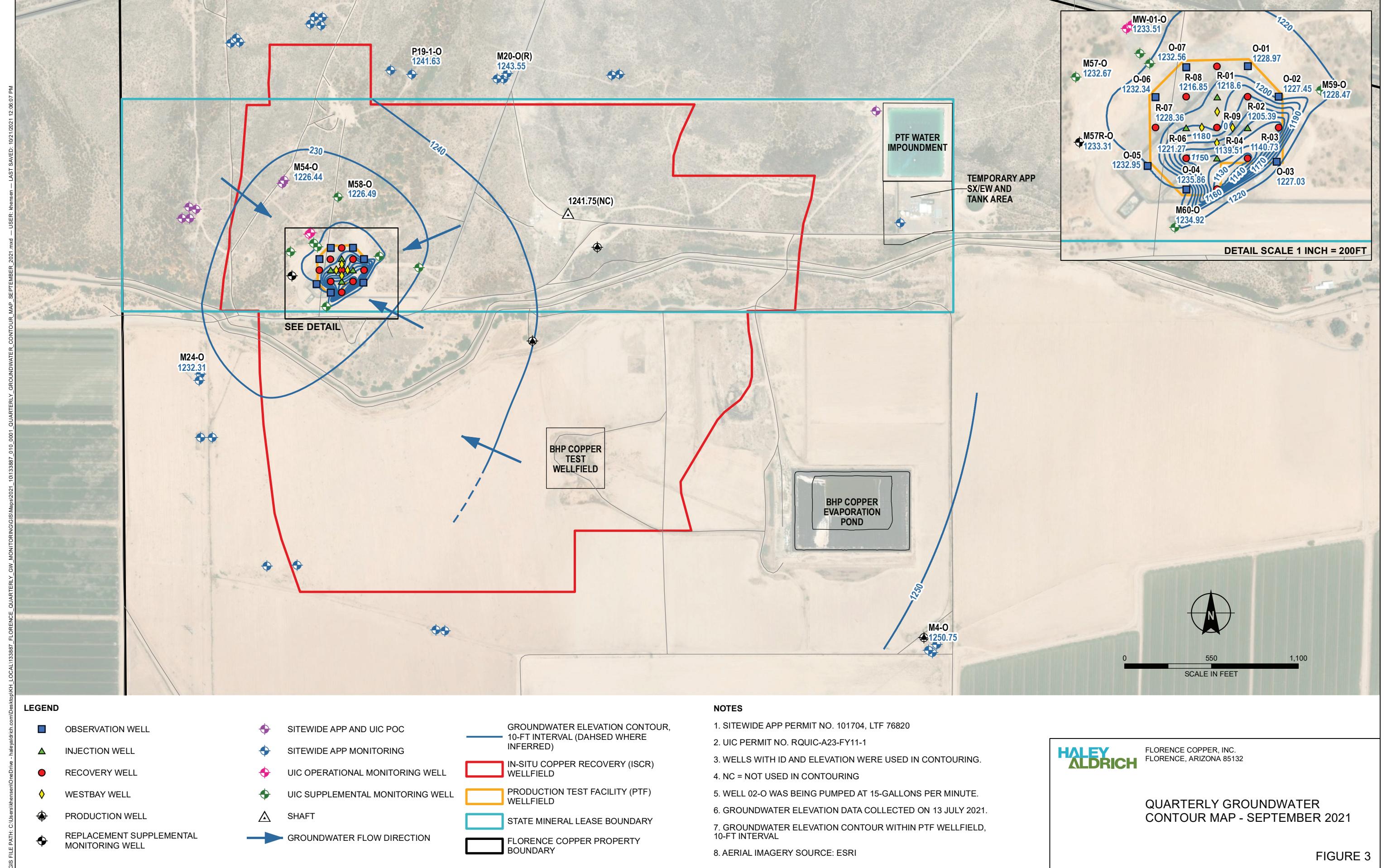
Refer to preceding Daily Hydraulic Gradient for Recovery Well Pairings Tables (Tables 4 - 6) for details on missing data points.

ATTACHMENT 3

Monthly Potentiometric Surface Maps







ATTACHMENT 4

Well Bore Annular Conductivity Device (ACD) Readings



ANNULAR CONDUCTIVITY DATA

QA PROCEDURE & DOCUMENTATION FORM (V.1)

GENERAL

HGI Project Name: 2018-030 – FCP Bulk & Annular Conductivity Monitoring	Project Site: Florence Copper Project	Weather Conditions: 90F, P. (Cloudy)
Date 7/01/2021	Field Operator Name: C. BALOYEA	Start and End Time: 0822-0914

EQUIPMENT

AGI MiniSting (MS) Serial #: S0608049	6Ω Resistor Standard Result: 6.294	DIAGNOSTICS		MEASUREMENT SETTINGS	
		(See back of sheet for detailed instructions and procedures)			
HGI Cray Interface Panel SN# CR-ES-002	Pass Criteria: $6.25\Omega \pm 0.30$	Circle One: Pass or Fail	• No. Cycles: 4	• Max Error: Off	• Max Current: 40mA
			• Measure Time: 3.6	• Measure mode: RESISTANCE	

DATA COLLECTION:

WELL ID	Time (24h)	Current (1 mA)	1			2			3			Data Acceptance Pass = P, Fail = F
			Reading	Resistance ($\Delta Y = \Omega$)	Error ($\sigma = \%$)	Reading	Resistance ($\Delta Y = \Omega$)	Error ($\sigma = \%$)	Reading	Resistance ($\Delta Y = \Omega$)	Error ($\sigma = \%$)	
1 WB-04	0830	20	232	60.71	1.7	233	60.29	2.7	234	60.16	2.8	P
2 WB-03	0835	20	235	77.47	0.6	236	75.86	1.3	237	75.32	1.5	P
3 WB-02	0838	20	238	80.93	2.4	239	81.64	2.4	240	81.59	2.5	P
4 WB-01	0841	20	241	52.54	1.3	242	50.70	0.8	243	49.93	0.9	P
5 B-01	0846	20	244	72.02	0.5	245	71.14	0.8	246	70.79	0.9	P
6 B-07	0850	20	247	61.40	0.5	248	60.57	0.8	249	60.20	0.9	P
7 B-06	0854	20	250	57.74	1.3	251	55.74	1.0	252	55.00	1.2	R
8 B-05	0859	20	253	89.25	0.3	254	88.42	0.5	255	88.11	0.6	P
9 B-04	0904	20	256	53.55	1.7	257	51.70	0.5	258	51.01	0.8	P
10 B-03	0910	20	259	55.28	0.9	260	53.83	0.8	261	53.24	0.9	P
11 B-02	0914	20	262	64.33	2.0	263	64.71	2.2	264	64.57	2.2	P

Well ID's that begin with a "B" correspond to the wells that begin with an "O" in standard reporting. For example, B-01 corresponds to O-01.

DATA QUALITY ACCEPTANCE

Measurement Error Evaluation
Pass Criteria: 66% (2/3) of measurement error values less than 5%

(briefly describe site activities at time of data acquisition, status of electrode arrays, or other parameters that may influence readings)

FIELD OBSERVATIONS

By signing, I certify that measured data passes all required data quality tests listed within this procedure.

I, Christy Blyea, certify that data collection instrumentation pass all requirements and the data reduction process followed are described setup and programming instructions listed within this procedure.

Christy Blyea
Field Operator Signature/Date 7/1/2021

I, Christy Blyea, certify that measured data passes all required data quality tests listed within this procedure.

Christy Blyea
Data Inspector Signature/Date 7/1/2021

ATTACHMENT 5

Summary of Pressure Transducer and Fracture Gradient Readings

Q3 2021 DAILY WELLHEAD PRESSURES - INJECTION WELLS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. July 2021 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			Fracture Gradient
	Avg	Min	Max										
7/1/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/2/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/3/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/4/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/5/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/6/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/9/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/10/2021	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/11/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/12/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/13/2021	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/14/2021	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/15/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/16/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/17/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/18/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.61
7/19/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/20/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/21/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/22/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/23/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/24/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/25/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	112.89
7/26/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/30/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89

Notes:

All measurements in pounds per square inch (psi)

NM = Not measured or otherwise not available

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

$$P\text{-Wellhead} = P\text{-TOS} - P\text{-Col} = [P\text{-Frac} \times D\text{-TOS}] - [D\text{-TOS} / Conv] \text{ Where:}$$

P-Fracture	= Pressure allowed at the top of the injection well screen (TOS)	=	0.65	psi/foot of depth
D-TOS	= Depth to top of injection well screens	=	520	feet
P-TOS	= Total pressure allowed at top of screen = P-Fracture x D-TOS	=	0.65 psi/foot x 520 feet	338 psi
Conv	= Feet of Water per psi	=	2.31	feet/psi
P-Col	= Pressure from weight of water column at TOS	=	520 feet / 2.31 feet/psi	225.11 psi
P-Wellhead	= Allowable pressure at the top of the wellhead = P-TOS - P-Col	=	338 psi - 255.1 psi	112.89 psi

Q3 2021 DAILY WELLHEAD PRESSURES - INJECTION WELLS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. August 2021 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			Fracture Gradient
	Avg	Min	Max										
8/1/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/2/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/3/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/4/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/5/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/6/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	112.89
8/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/9/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/10/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/11/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/12/2021	0.00	0.00	0.00	0.00	0.00	0.35	0.00	2.43	0.00	0.00	0.00	0.00	112.89
8/13/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	112.89
8/14/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/15/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/16/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/17/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/18/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/19/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/20/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/21/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/22/2021	0.00	0.00	0.02	0.00	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/23/2021	0.00	0.00	0.08	0.07	0.08	0.08	0.00	0.00	0.00	0.01	0.00	0.03	112.89
8/24/2021	0.00	0.00	0.08	0.07	0.08	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
8/25/2021	0.00	0.00	0.08	0.07	0.08	0.08	0.00	0.00	0.01	0.02	0.01	0.03	112.89
8/26/2021	0.00	0.00	0.07	0.05	0.08	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
8/27/2021	0.00	0.00	0.07	0.07	0.08	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
8/28/2021	0.00	0.00	0.08	0.07	0.08	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
8/29/2021	0.00	0.00	0.08	0.07	0.08	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
8/30/2021	0.00	0.00	0.08	0.07	0.08	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
8/31/2021	0.00	0.00	0.08	0.07	0.08	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89

Notes:

All measurements in pounds per square inch (psi)

NM = Not measured or otherwise not available

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

$$P\text{-Wellhead} = P\text{-TOS} - P\text{-Col} = [P\text{-Frac} \times D\text{-TOS}] - [D\text{-TOS} / Conv] \text{ Where:}$$

P-Fracture	= Pressure allowed at the top of the injection well screen (TOS)	=	0.65	psi/foot of depth
D-TOS	= Depth to top of injection well screens	=	520	feet
P-TOS	= Total pressure allowed at top of screen = P-Fracture x D-TOS	=	0.65 psi/foot x 520 feet	338 psi
Conv	= Feet of Water per psi	=	2.31	feet/psi
P-Col	= Pressure from weight of water column at TOS	=	520 feet / 2.31 feet/psi	225.11 psi
P-Wellhead	= Allowable pressure at the top of the wellhead = P-TOS - P-Col	=	338 psi - 255.1 psi	112.89 psi

Q3 2021 DAILY WELLHEAD PRESSURES - INJECTION WELLS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. September 2021 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			Fracture Gradient
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	
9/1/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/2/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/3/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/4/2021	0.00	0.00	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/5/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/6/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/7/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/8/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/9/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/10/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/11/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/12/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/13/2021	0.00	0.00	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.02	0.00	0.03	112.89
9/14/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/15/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/16/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/17/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/18/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/19/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/20/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/21/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/22/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.02	0.01	0.03	112.89
9/23/2021	0.00	0.00	0.00	0.08	0.07	0.08	2.22	0.00	16.46	0.03	0.01	0.03	112.89
9/24/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/25/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/26/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.03	0.03	112.89
9/27/2021	0.00	0.00	0.00	0.08	0.07	0.08	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/28/2021	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.03	0.00	0.03	112.89
9/29/2021	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.03	0.01	0.03	112.89
9/30/2021	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.03	0.01	0.03	112.89

Notes:

All measurements in pounds per square inch (psi)

NM = Not measured or otherwise not available

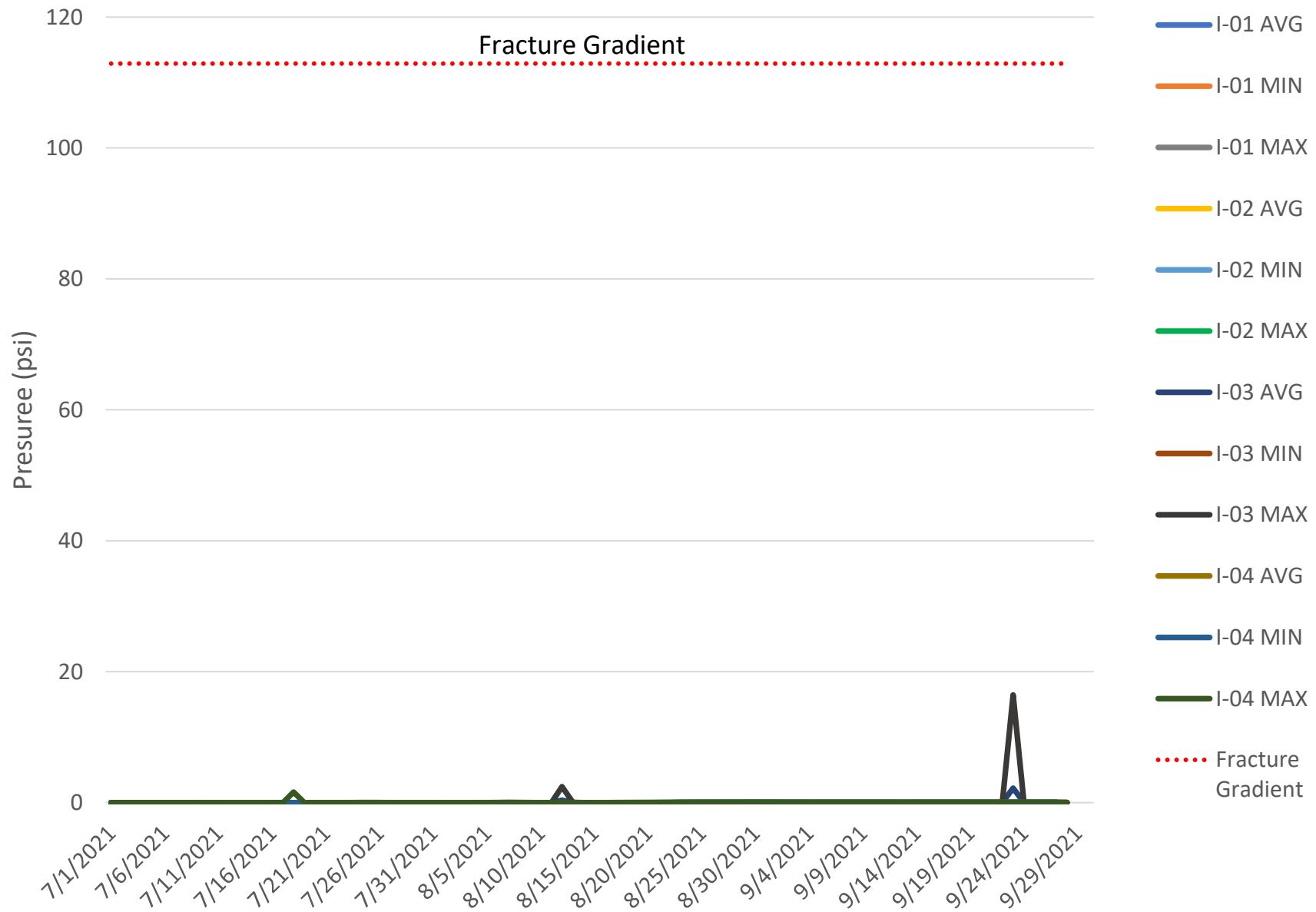
I-02 converted to recovery well starting 9/28/2021

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

P-Fracture	= Pressure allowed at the top of the injection well screen (TOS)	=	0.65	psi/foot of depth
D-TOS	= Depth to top of injection well screens	=	520	feet
P-TOS	= Total pressure allowed at top of screen = P-Fracture x D-TOS	= 0.65 psi/foot x 520 feet	338	psi
Conv	= Feet of Water per psi	=	2.31	feet/psi
P-Col	= Pressure from weight of water column at TOS	= 520 feet / 2.31 feet/psi	225.11	psi
P-Wellhead	= Allowable pressure at the top of the wellhead = P-TOS - P-Col	= 338 psi - 225.11 psi	112.89	psi

Figure 1. Daily Wellhead Pressures - Injection Wells



Q3 2021 DAILY CASING ANNULUS PRESSURES - INJECTION WELLS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 4. July 2021 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			Fracture Gradient
	AVG	MIN	MAX										
7/1/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/2/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/3/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/4/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/5/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/6/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/9/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/10/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/11/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/12/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/13/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/14/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/15/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/16/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/17/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/18/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/19/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/20/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/21/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/22/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/23/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/24/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/25/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/26/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/30/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
7/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89

Notes:

All measurements in pounds per square inch (psi)

Q3 2021 DAILY CASING ANNULUS PRESSURES - INJECTION WELLS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 5. August 2021 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			Fracture Gradient
	Avg	Min	Max										
8/1/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/2/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/3/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/4/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/5/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/6/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/9/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/10/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/11/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/12/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/13/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/14/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/15/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/16/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/17/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/18/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/19/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/20/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/21/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/22/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/23/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/24/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/25/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/26/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/30/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
8/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89

Notes:

All measurements in pounds per square inch (psi)

Q3 2021 DAILY CASING ANNULUS PRESSURES - INJECTION WELLS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 6. September 2021 Casing Annulus Pressure

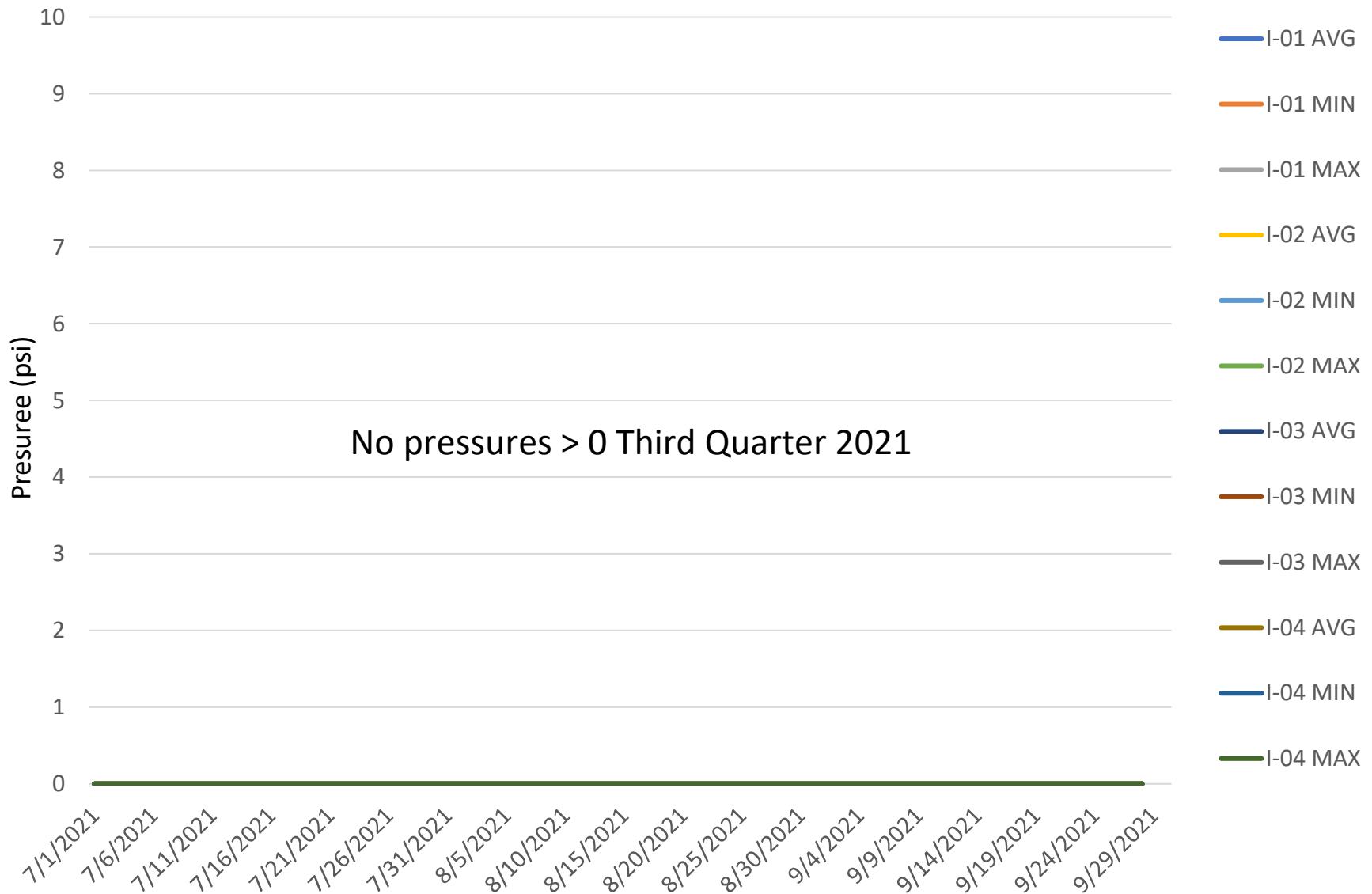
Date	I-01			I-02			I-03			I-04			Fracture Gradient
	Avg	Min	Max										
9/1/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/2/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/3/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/4/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/5/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/6/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/9/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/10/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/11/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/12/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/13/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/14/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/15/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/16/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/17/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/18/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/19/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/20/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/21/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/22/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/23/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/24/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/25/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/26/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/28/2021	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/29/2021	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	112.89
9/30/2021	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	112.89

Notes:

All measurements in pounds per square inch (psi)

I-02 converted to recovery well starting 9/28/2021

Figure 2. Daily Casing Annulus Pressures - Injection Wells



ATTACHMENT 6

Graphical Representation of Fluid Electrical Conductivity Readings from Injection and Observations Wells

**Q3 2021 DAILY FLUID ELECTRICAL CONDUCTIVITY
INJECTION AND OBSERVATION WELLS
FLORENCE COPPER INC.
FLORENCE, ARIZONA**

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Table 1. July 2021 Daily Fluid Electrical Conductivity

Date	I-01	I-02	I-03	I-04	O-01	O-02	O-03	O-04	O-05	O-06	O-07
7/1/2021	4026	2004	3820	3997	4700	3840	6240	1863	2820	2280	4580
7/2/2021	4445	4444	4453	4426	4880	4120	6560	1956	2780	2350	4160
7/3/2021	4677	4384	4398	4512	4710	4100	6580	1963	2810	2440	4600
7/4/2021	4233	4106	4194	4152	4710	4150	6700	2110	2830	2440	2000
7/5/2021	4146	4117	3972	4097	4970	3910	6350	2050	2790	2480	4990
7/6/2021	3938	3837	3788	3817	5520	3940	6440	2000	2840	2470	5070
7/7/2021	3347	3488	3240	3156	5400	3820	6390	1965	2700	2380	4960
7/8/2021	3677	3733	3746	3741	5390	3910	6490	1893	2470	2370	5080
7/9/2021	2253	3336	2952	2763	5190	3880	6410	1817	2340	2230	4920
7/10/2021	3019	2905	3065	3077	5130	4090	6940	1788	2510	1555	4890
7/11/2021	NA	NA	NA	NA	5330	4440	7240	1962	2790	1641	5180
7/12/2021	3334	3149	3120	3250	4930	4080	6860	1961	2660	1551	4870
7/13/2021	1331	1974	1319	1465	4920	3940	6710	1763	2620	1547	2810
7/14/2021	712	726	688	725	4960	3760	5440	1796	2580	1513	1675
7/15/2021	605	622	596	600	5920	3550	6260	1767	2430	1489	1614
7/16/2021	704	602	638	600	6210	3560	6290	1755	2400	1494	1593
7/17/2021	1057	807	819	828	6280	3600	6290	1762	2410	1515	1599
7/18/2021	694	690	561	640	6390	3790	6550	1812	2390	1522	1602
7/19/2021	735	741	758	741	6510	3770	6500	1819	2300	1498	1554
7/20/2021	763	737	740	742	6480	3740	6480	1786	2390	1457	1560
7/21/2021	644	667	638	651	6640	3790	690	1822	2440	1594	1644
7/22/2021	531	665	537	610	6970	4030	5500	2030	2750	1727	1761
7/23/2021	756	790	764	766	6030	3650	6280	1720	2410	1525	1561
7/24/2021	511	668	649	654	5810	3650	6220	1710	2380	1514	1537
7/25/2021	697	686	668	657	5980	3780	6510	1806	2540	1600	1636
7/26/2021	758	663	690	672	5400	3810	6470	1753	2340	1486	1538
7/27/2021	681	685	713	717	5350	3820	6510	1709	2340	1515	1558
7/28/2021	734	701	675	683	5240	3670	6140	1685	2340	1508	1528
7/29/2021	576	604	565	562	5080	3810	6550	1698	2370	1498	1517
7/30/2021	839	604	582	592	5190	3550	6290	1692	2390	1541	1540
7/31/2021	805	685	651	684	5040	3510	6150	1673	2350	1514	1519

Notes:

All measurements in microsemens per centimeter (uS/cm)

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

7/11/2021: No results reported for Injection wells

7/21/2021: O-03 outlier: likely recording error

INJECTION AND OBSERVATION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. August 2021 Daily Fluid Electrical Conductivity

Date	I-01	I-02	I-03	I-04	O-01	O-02	O-03	O-04	O-05	O-06	O-07
8/1/2021	991	928	941	960	5050	3530	6140	1676	2370	1507	1519
8/2/2021	769	1326	1808	1089	5160	3600	NA	1719	2420	1562	1572
8/3/2021	2689	2699	2713	2649	5000	3580	NA	1681	2300	1520	1510
8/4/2021	2661	2622	2683	2672	5030	3530	5830	1694	1360	1527	1540
8/5/2021	3255	3146	3257	2362	4820	3610	6400	1636	2310	1516	1507
8/6/2021	793	1231	848	876	5000	3810	6730	1689	2380	1574	1535
8/7/2021	NA	NA	NA	NA	4880	3040	5210	1669	2350	1556	1555
8/8/2021	NA	NA	NA	NA	5050	3490	5960	1703	2410	1584	1592
8/9/2021	5375	NA	5333	5254	5130	3530	6000	1707	2400	1593	1591
8/10/2021	1375	1243	1328	1466	5300	3260	5960	1613	2280	1503	1510
8/11/2021	4541	1621	4549	4592	5300	3550	1727	1642	2220	1513	1501
8/12/2021	1894	1703	2085	2213	5320	3270	5970	1608	2270	151	1517
8/13/2021	1168	1946	1175	1184	5170	3260	5960	1676	2240	1621	1548
8/14/2021	NA	NA	NA	NA	5630	3170	6090	1644	2280	1569	1555
8/15/2021	972	NA	620	620	NA	3070	5930	1600	2190	1511	1514
8/16/2021	594	NA	602	591	NA	3050	5850	1562	2160	1493	1488
8/17/2021	1769	NA	653	562	NA	3200	5970	1601	2230	1560	1514
8/18/2021	718	NA	543	583	4870	3650	5990	1612	2370	1572	1556
8/19/2021	568	NA	518	516	4850	3580	5660	1598	2320	1583	1826
8/20/2021	820	NA	597	588	4740	3460	2930	1549	2230	1559	1692
8/21/2021	522	NA	465	NA	4910	2970	4510	1467	2200	1586	587
8/22/2021	597	NA	514	NA	4720	2780	3960	1534	2120	1498	1458
8/23/2021	558	NA	550	NA	4970	2880	4160	1604	2230	1546	1520
8/24/2021	597	NA	585	NA	5320	3130	4270	1706	2380	1644	1624
8/25/2021	799	NA	482	NA	5300	3420	4400	1708	2310	1637	1628
8/26/2021	541	NA	513	NA	5000	NA	NA	1595	2240	1531	1530
8/27/2021	800	NA	652	NA	5060	NA	2900	1605	2240	1556	1541
8/28/2021	574	NA	506	NA	4930	NA	2780	1592	2210	1545	1527
8/29/2021	4657	NA	4764	NA	5080	NA	2480	1616	2240	1529	1561
8/30/2021	641	NA	584	NA	5020	NA	4070	1608	1563	2219	1589
8/31/2021	781	NA	757	NA	5369	2960	2831	1750	2380	1679	1675

Notes:

All measurements in microsemens per centimeter (μS/cm)

N/A or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

8/2 - 8/3/2021: O-03 out of service

8/7 - 8/8/2021: No injection well samples reported

8/9/2021: No injection into I-02

8/14/2021: No injection well samples reported

8/14 - 8/31/2021: No injection into I-02

8/15 - 8/17/2021: O-01 out of service

8/21 - 8/31/2021: No injection into I-04

8/26/2021: No results for O-03

8/26 - 8/30/2021: O-02 redevelopment/pump replacement

Q3 2021 DAILY FLUID ELECTRICAL CONDUCTIVITY

Page 3 of 3

INJECTION AND OBSERVATION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. September 2021 Daily Fluid Electrical Conductivity

Date	I-01	I-02	I-03	I-04	O-01	O-02	O-03	O-04	O-05	O-06	O-07
9/1/2021	1429	NA	1397	NA	4982	3503	2861	1599	2135	1635	1480
9/2/2021	570	NA	558	NA	4969	3604	4070	1589	2173	1695	1540
9/3/2021	559	NA	542	NA	5008	2591	4045	1535	2087	1780	1432
9/4/2021	NA	NA	NA	NA	5056	NA	NA	1580	2215	1827	1539
9/5/2021	NA	NA	NA	NA	4967	1226	4187	1530	2050	1700	1460
9/6/2021	727	NA	584	NA	5034	3250	3900	1522	2087	1468	1794
9/7/2021	624	NA	503	NA	5074	3234	4001	1598	2113	1803	1534
9/8/2021	628	NA	464	NA	5611	3564	4225	1729	2329	1989	1687
9/9/2021	571	NA	556	NA	5640	2259	3275	NA	2384	1991	1664
9/10/2021	1204	NA	768	NA	5302	2827	2161	NA	2219	1894	1603
9/11/2021	545	NA	569	NA	5209	2718	2381	1785	2236	1599	1891
9/12/2021	484	NA	500	NA	5286	2775	2002	1846	2240	1810	1618
9/13/2021	580	NA	575	NA	5401	2729	2194	1695	2291	1794	1691
9/14/2021	646	NA	693	NA	4966	3490	2102	1488	2031	1564	1455
9/15/2021	548	NA	501	NA	5247	3448	2099	1587	2158	1640	1589
9/16/2021	683	NA	689	NA	5508	3393	2007	1790	2351	1710	1687
9/17/2021	540	NA	496	NA	4935	3201	2781	1554	2107	1530	1510
9/18/2021	482	NA	471	NA	5066	3384	3047	1577	2084	1526	1515
9/19/2021	563	NA	547	NA	5266	3687	3055	1660	2252	1620	1550
9/20/2021	536	NA	465	NA	5375	3663	2892	1660	2272	1900	1618
9/21/2021	1246	NA	1238	NA	5367	3663	3002	1627	2270	1904	1618
9/22/2021	1442	NA	1482	NA	5515	3037	2628	1699	2366	1924	1673
9/23/2021	520	NA	510	NA	5485	3088	4140	1674	2329	1777	1640
9/24/2021	464	NA	456	NA	5438	3636	4005	1672	2340	1657	1664
9/25/2021	439	NA	440	NA	5545	3769	4094	1682	2341	1677	1647
9/26/2021	1408	NA	388	NA	5459	3848	5438	1723	2366	1707	1691
9/27/2021	1869	NA	1753	NA	NA	3773	3810	1707	2340	1677	1677
9/28/2021	1569	NA	394	NA	NA	3219	2992	NA	2153	1561	1540
9/29/2021	325	NA	321	NA	4795	3437	3437	1610	2120	1612	1543
9/30/2021	374	NA	341	NA	NA	3678	3720	1705	2277	1712	1657

Notes:All measurements in microsemens per centimeter ($\mu\text{S}/\text{cm}$)

N/A or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

9/1 - 9/30/2021: I-02 and I-04 off - no injection

9/4/2021: No data for I-01, I-03, O-02, and O-03

9/5/2021: No data for I-01 and I-03

9/9 - 9/10/2021: O-04 bladder pump repairs

9/27 - 9/28/2021, & 9/30/2021: O-01 bladder pump repairs

9/28/2021: O-04 bladder pump repairs

Figure 1. Daily Fluid Electrical Conductivity in Injection & Observation Wells

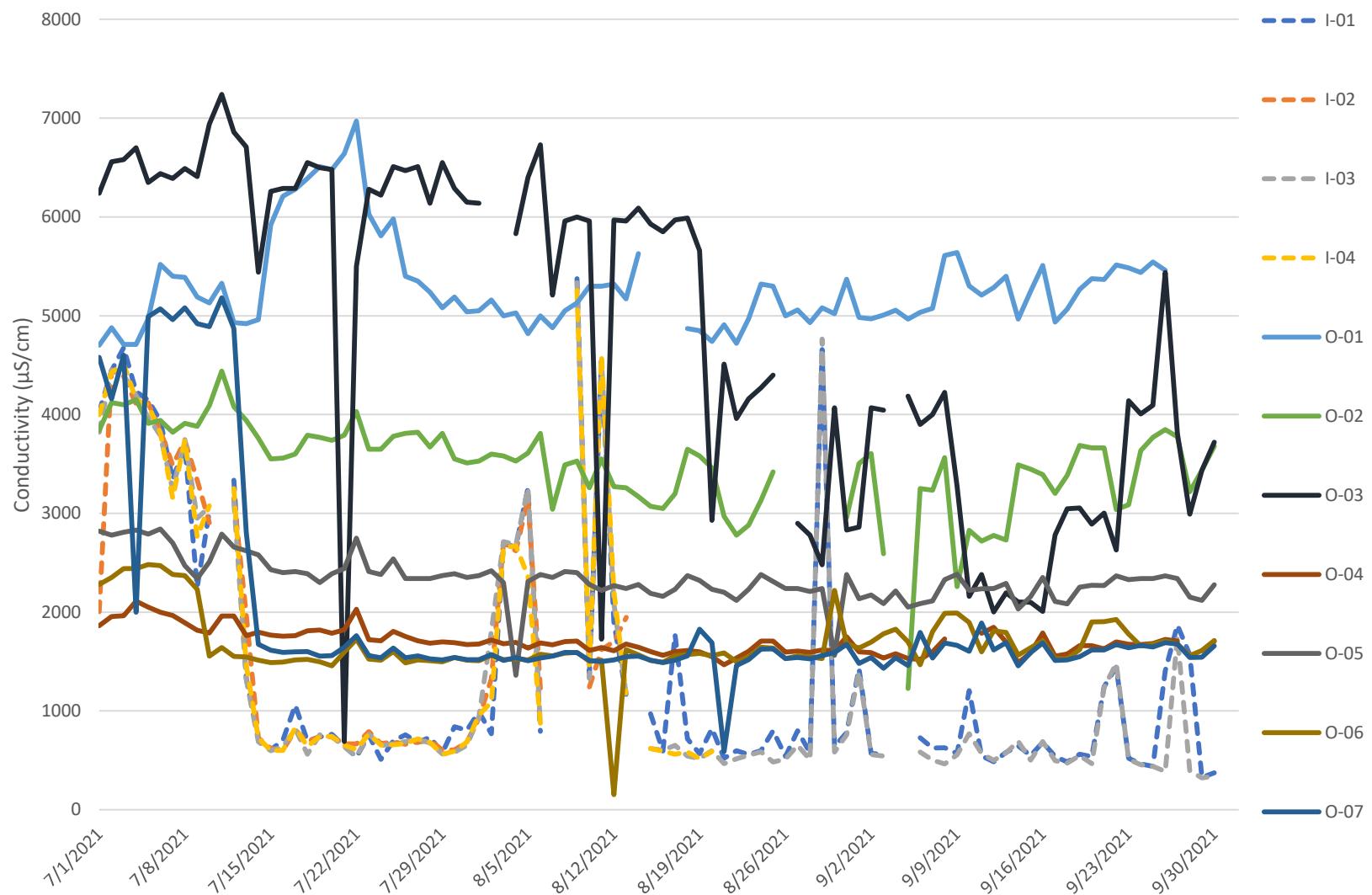
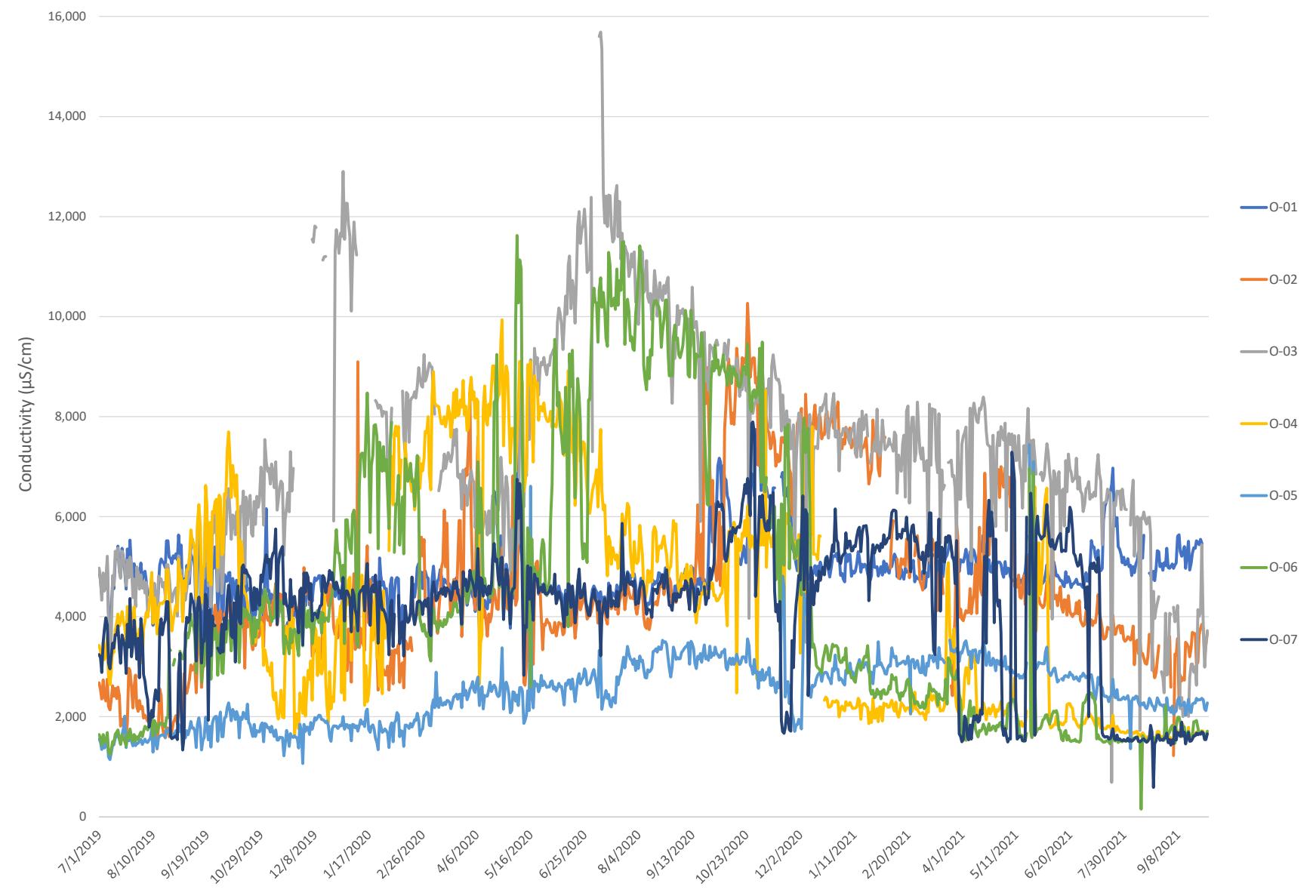


Figure 2. Daily Fluid in Observation Wells Over Past 9 Calendar Quarters



ATTACHMENT 7

Time versus Concentration Plots of Select Groundwater Parameters

M1-GL QUARTERLY CONCENTRATION GRAPHS

Figure 1a. Sulfate

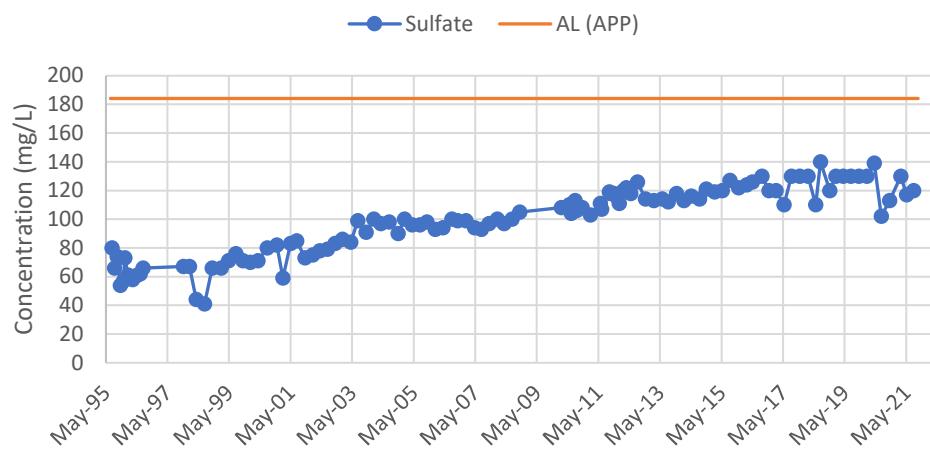


Figure 1b. Total Dissolved Solids

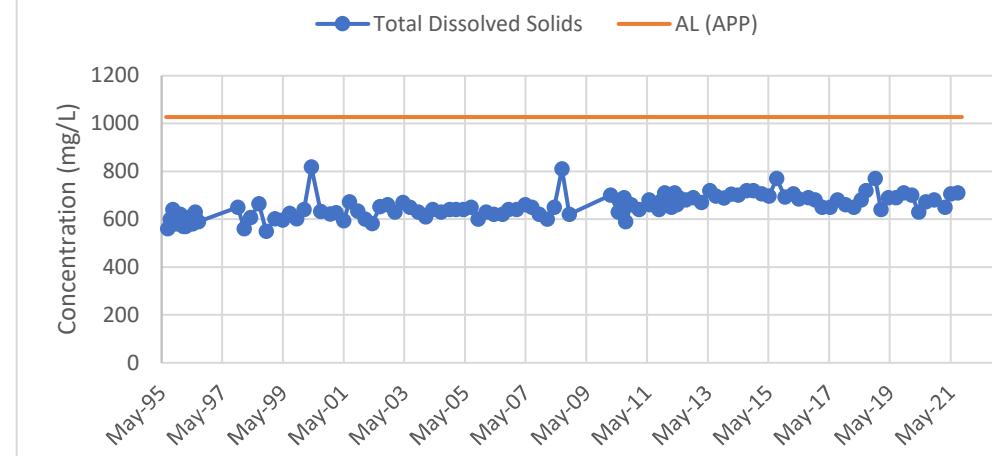


Figure 1c. Field pH

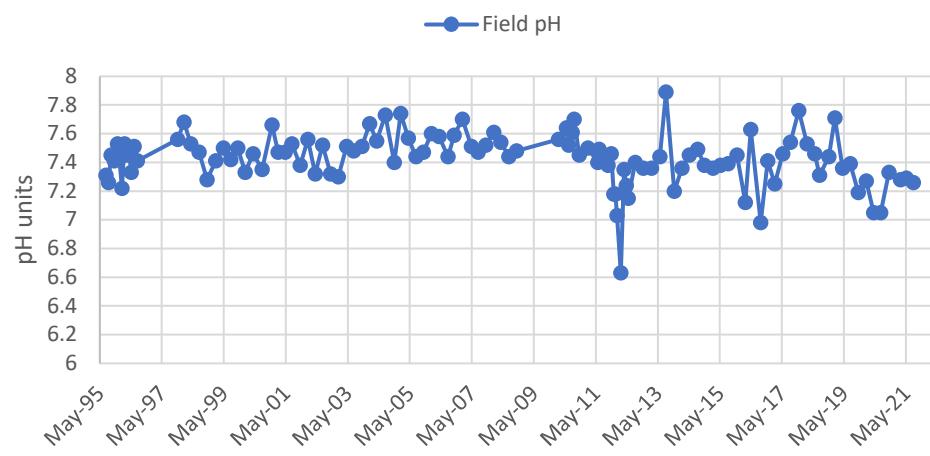
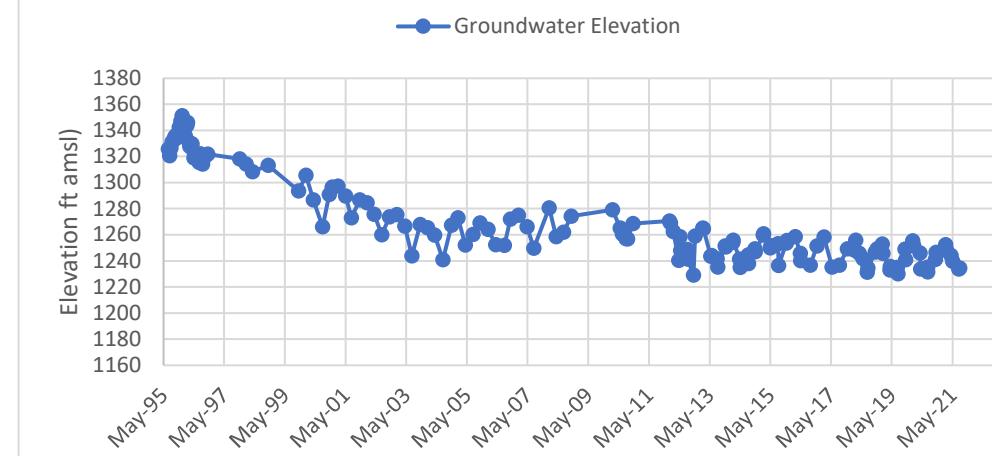


Figure 1d. Groundwater Elevation

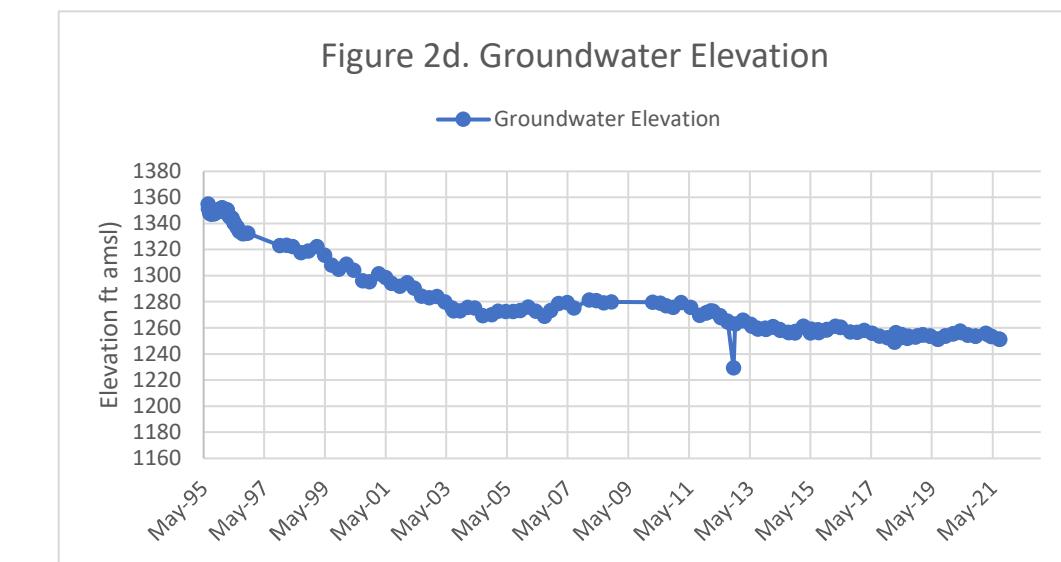
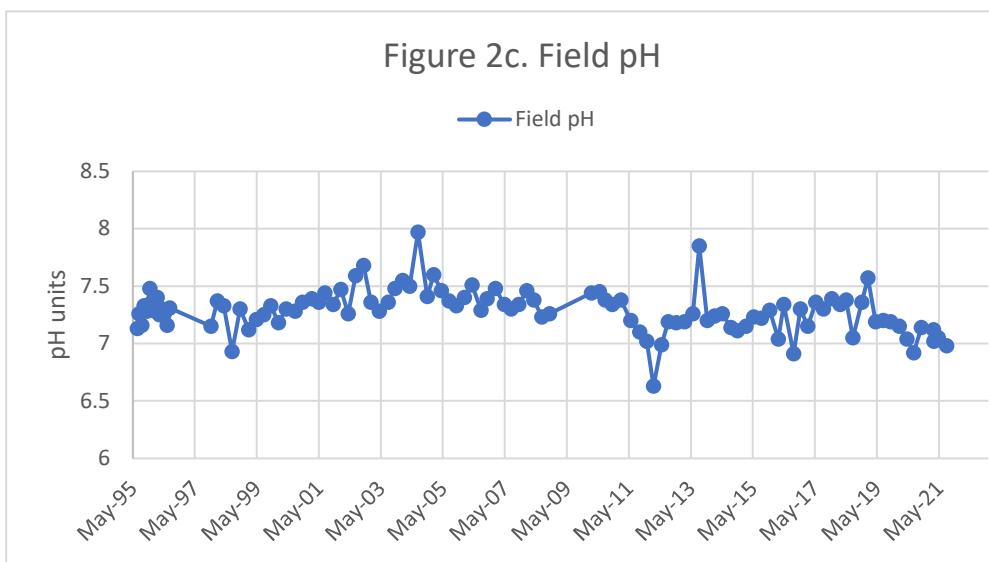
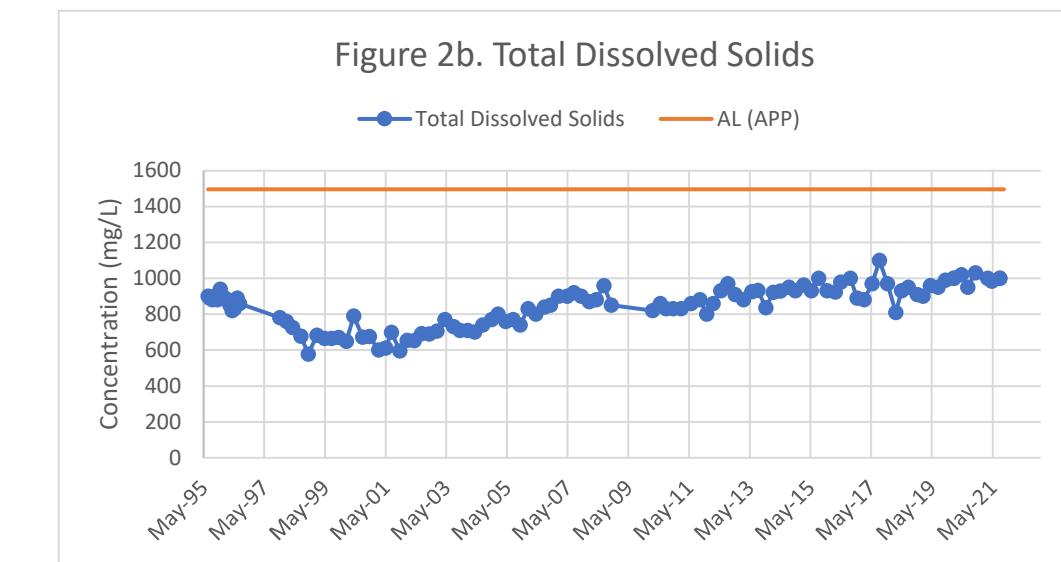
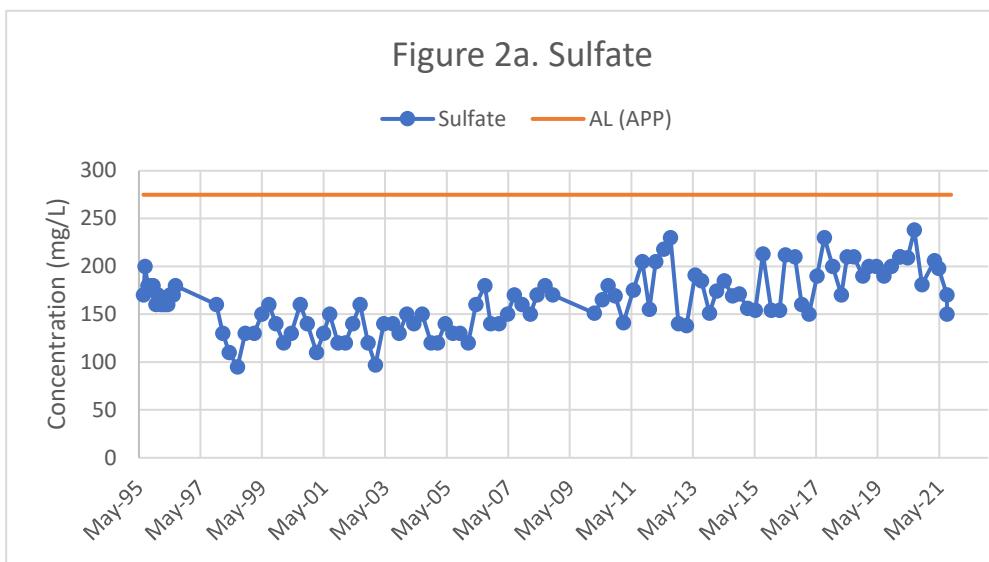


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M2-GU QUARTERLY CONCENTRATION GRAPHS

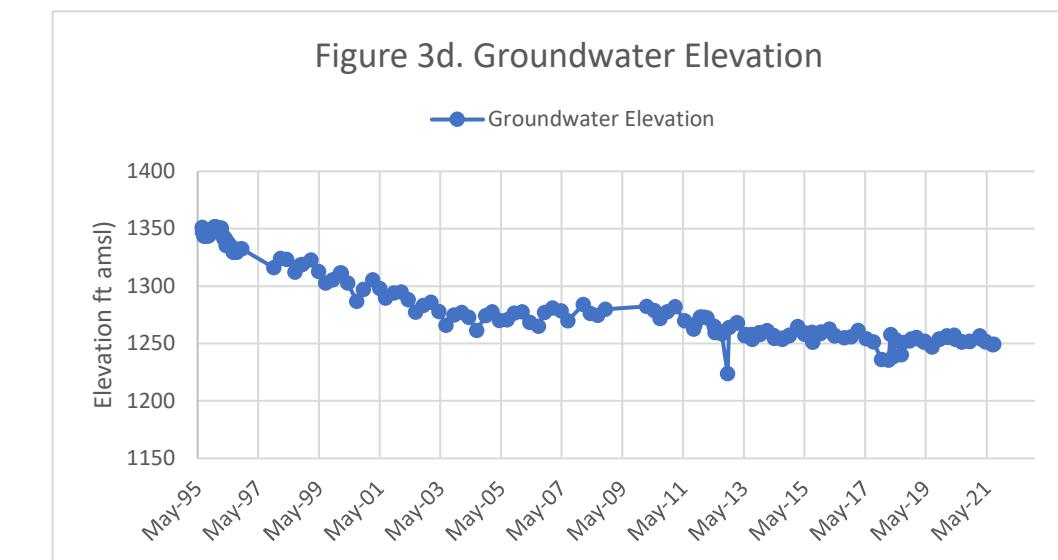
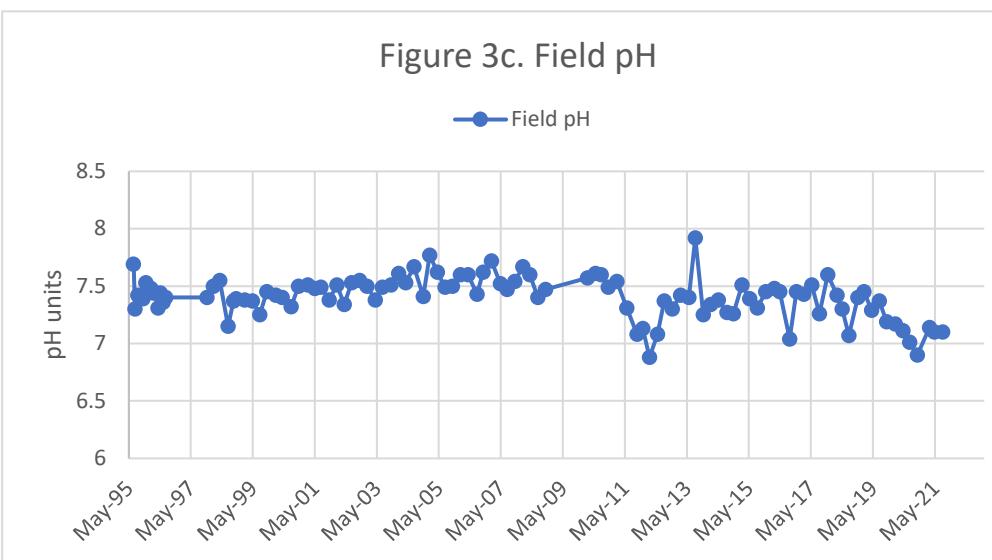
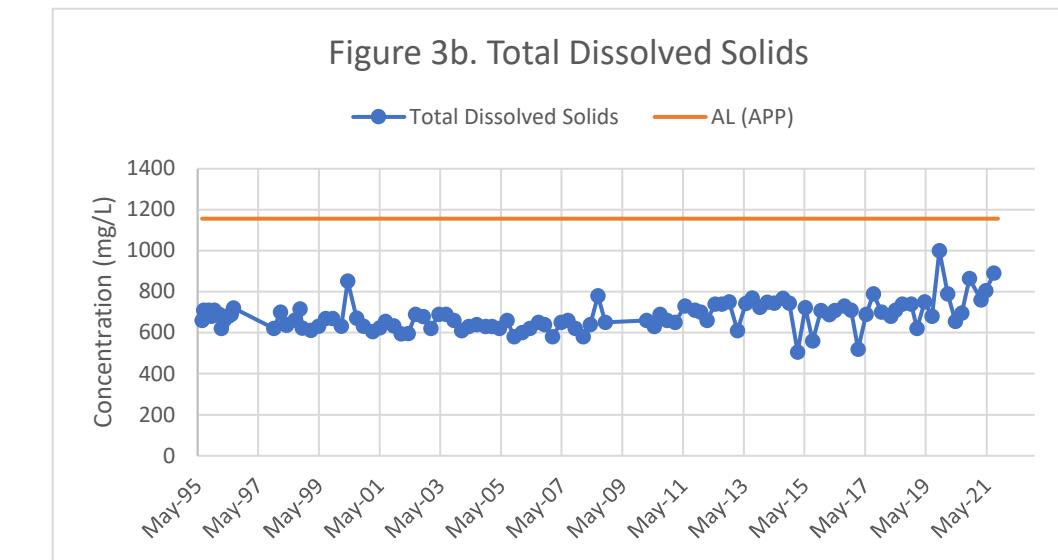
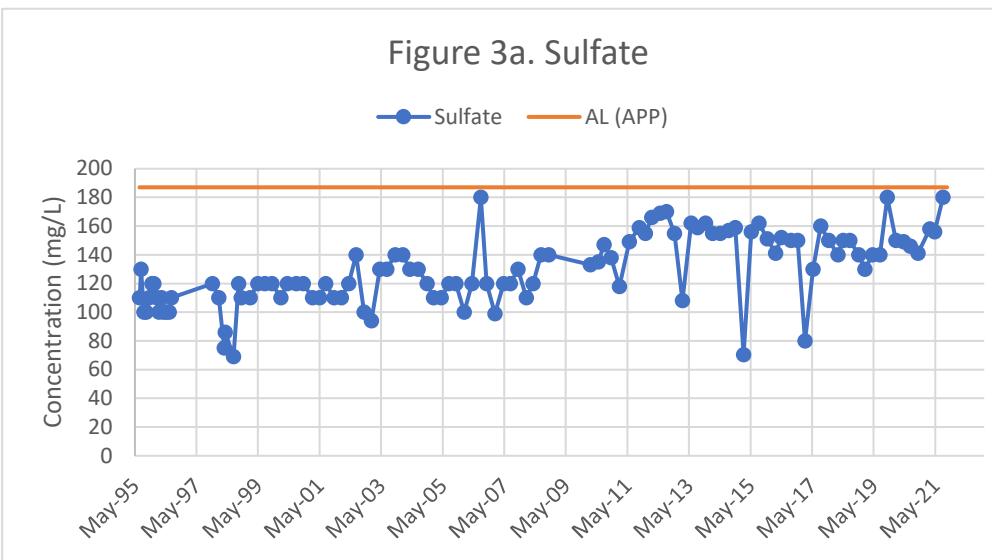


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M3-GL QUARTERLY CONCENTRATION GRAPHS

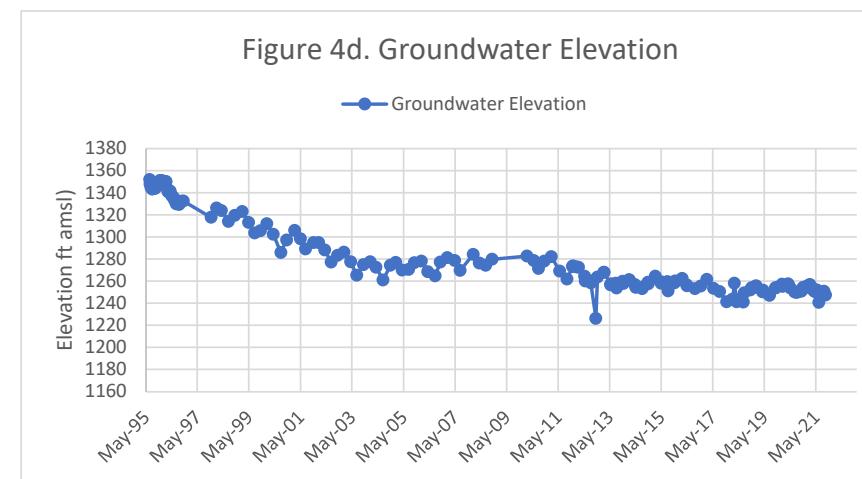
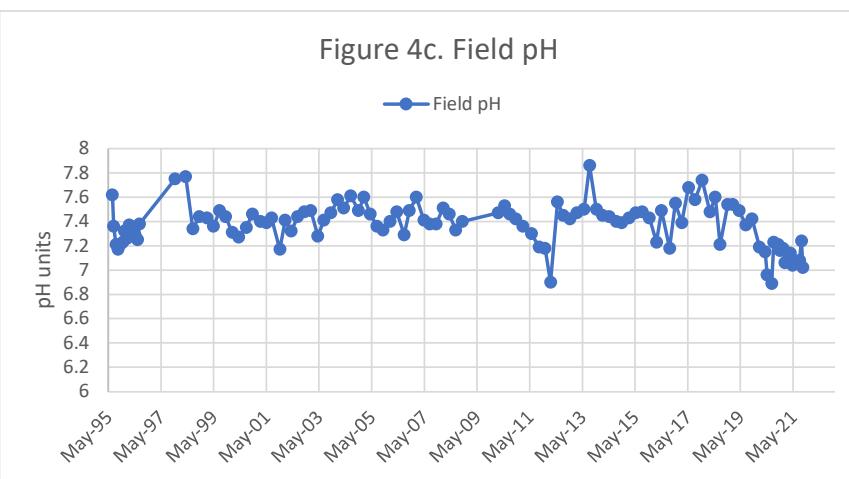
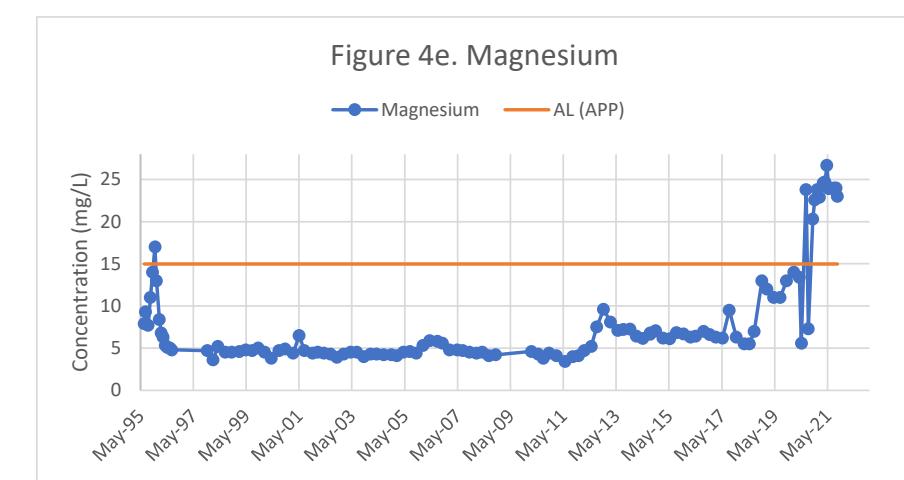
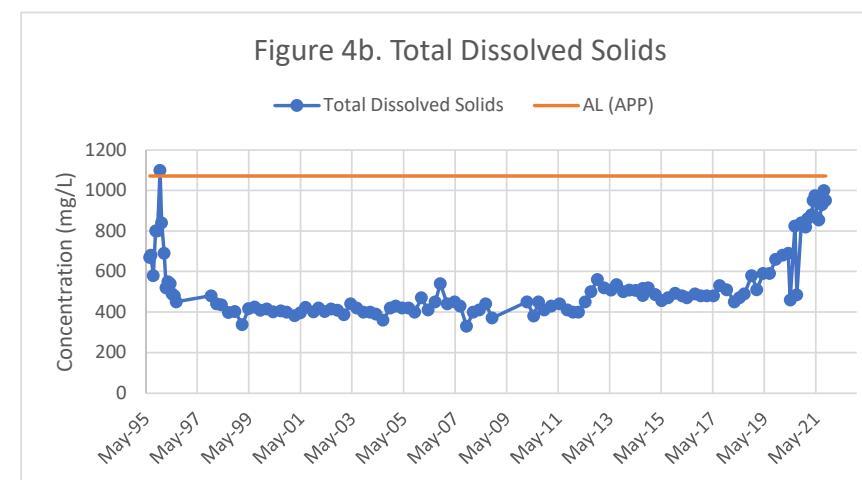
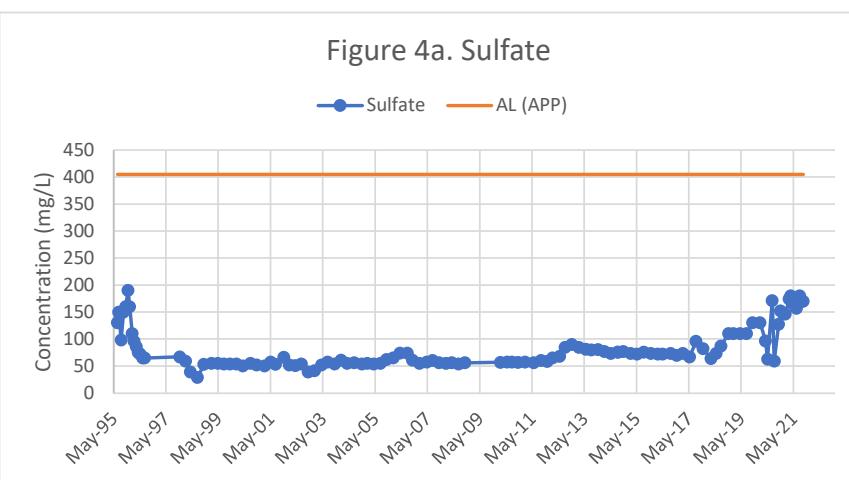


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M4-O QUARTERLY CONCENTRATION GRAPHS



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M6-GU QUARTERLY CONCENTRATION GRAPHS

Figure 5a. Sulfate

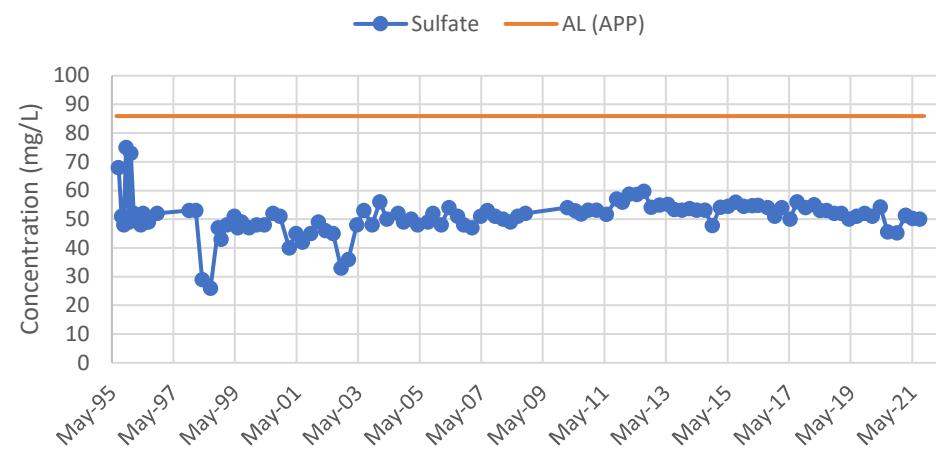


Figure 5b. Total Dissolved Solids

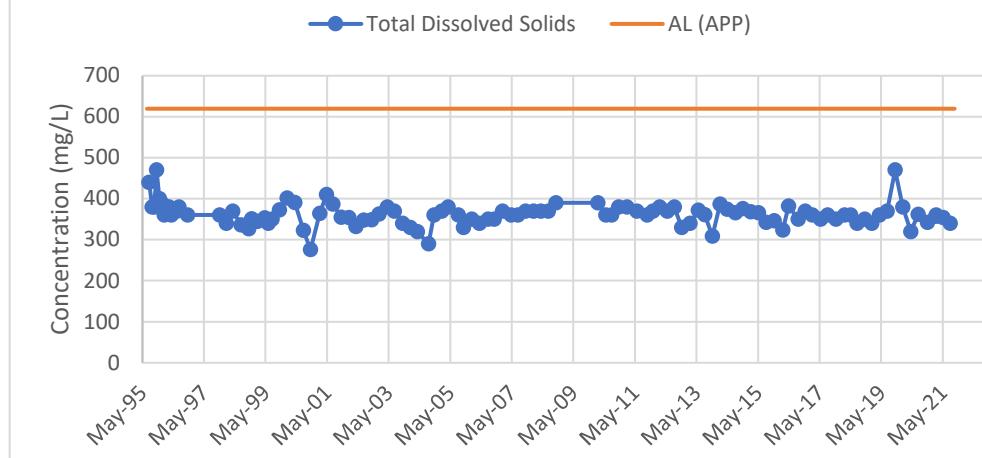


Figure 5c. Field pH

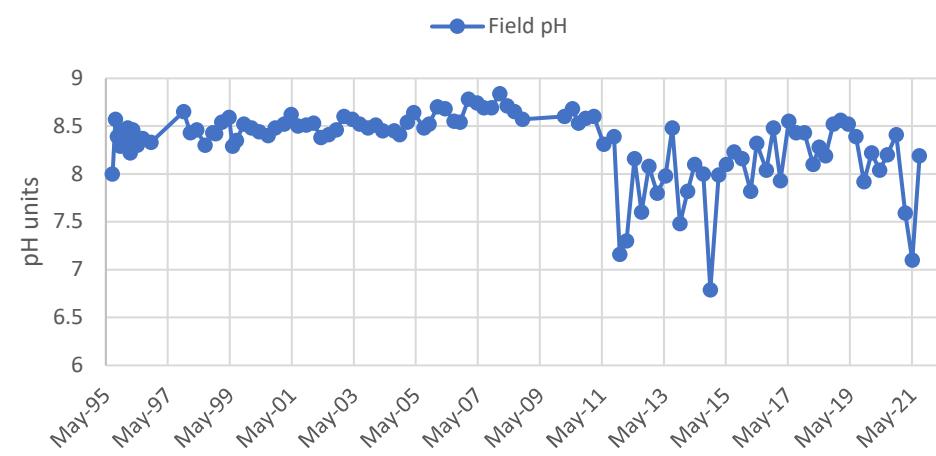
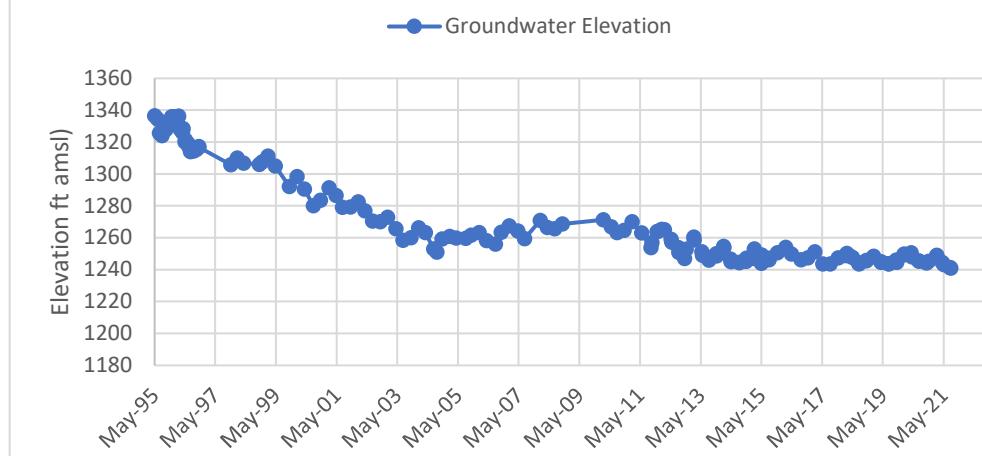


Figure 5d. Groundwater Elevation

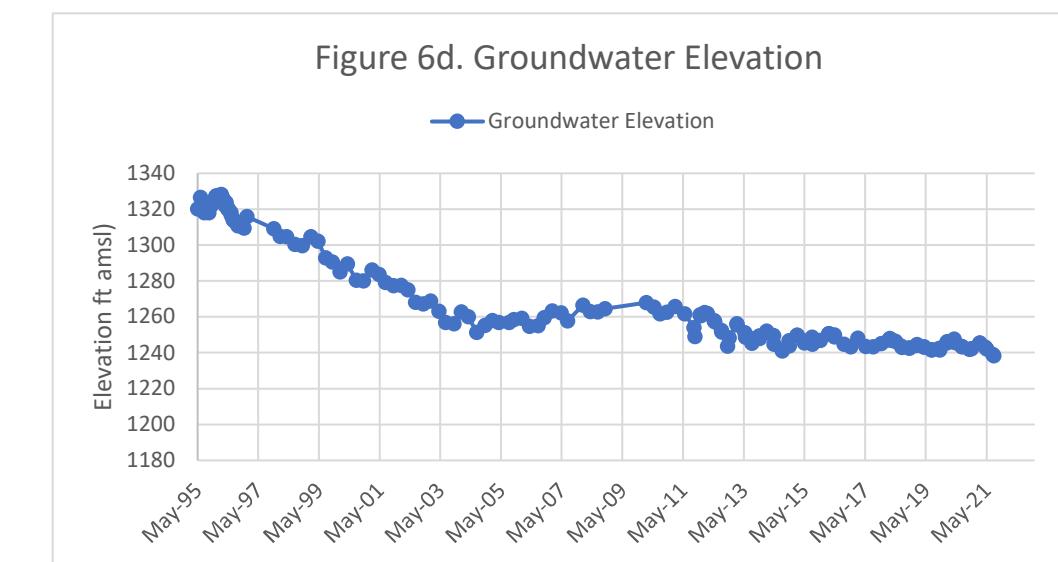
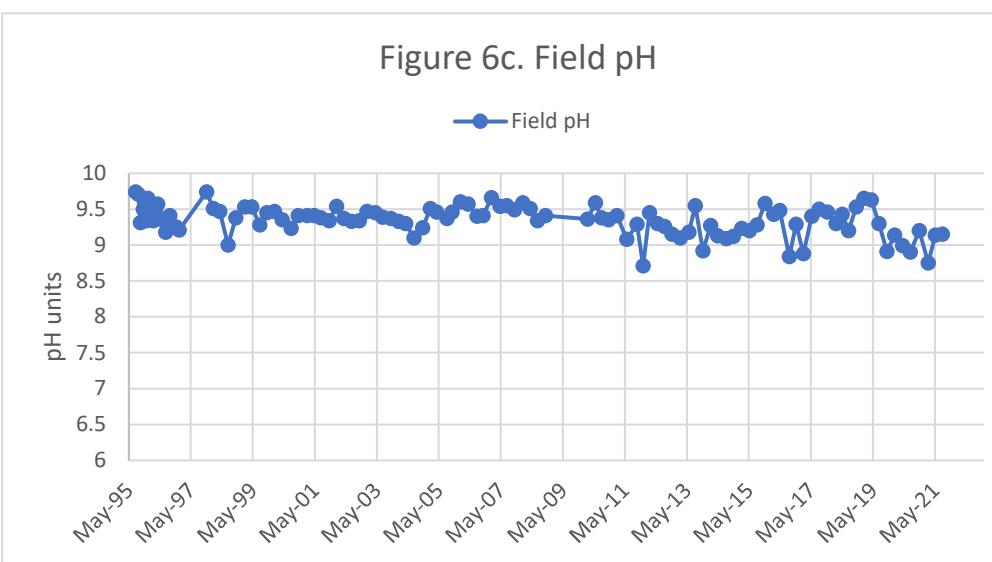
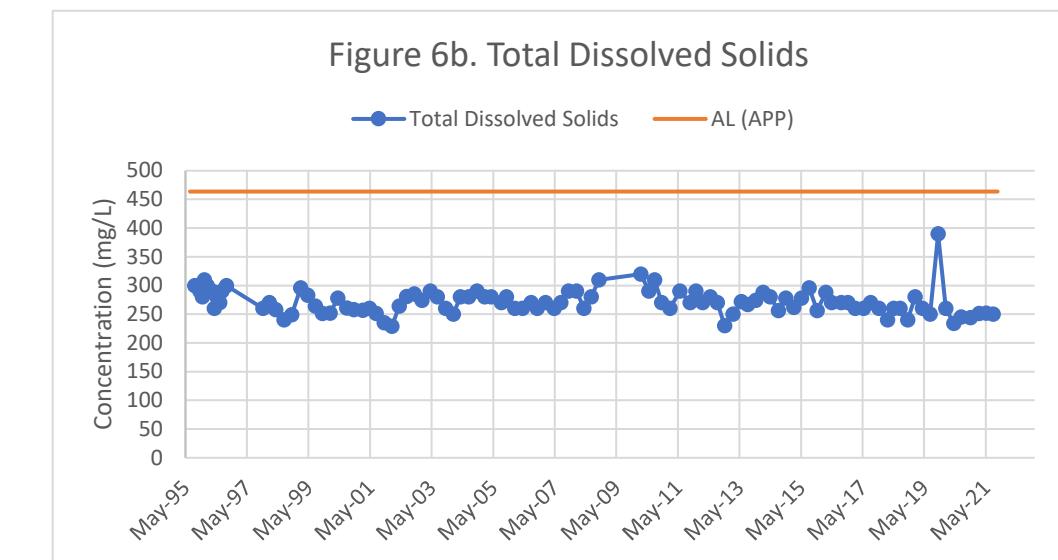
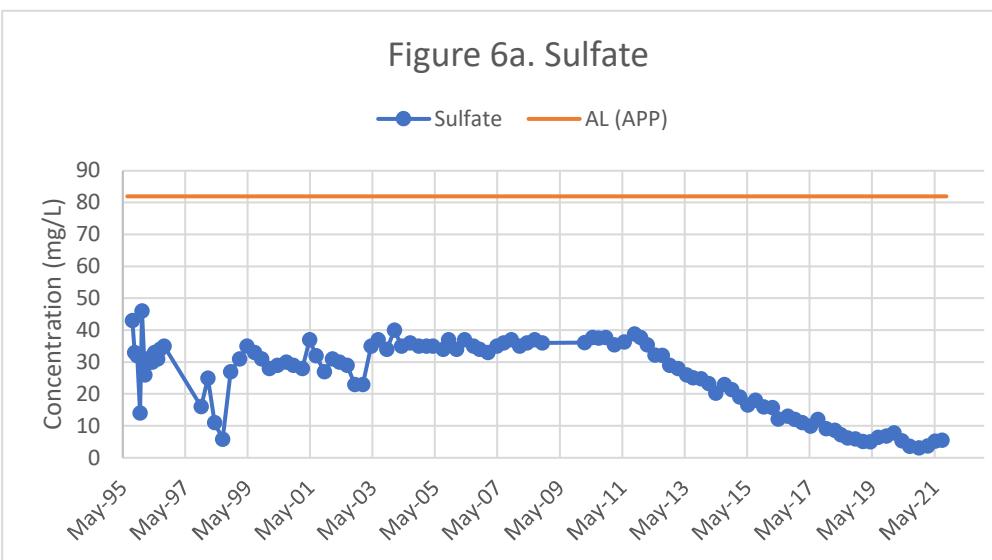


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M6-GU QUARTERLY CONCENTRATION GRAPHS



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M8-O QUARTERLY CONCENTRATION GRAPHS

Figure 7a. Sulfate

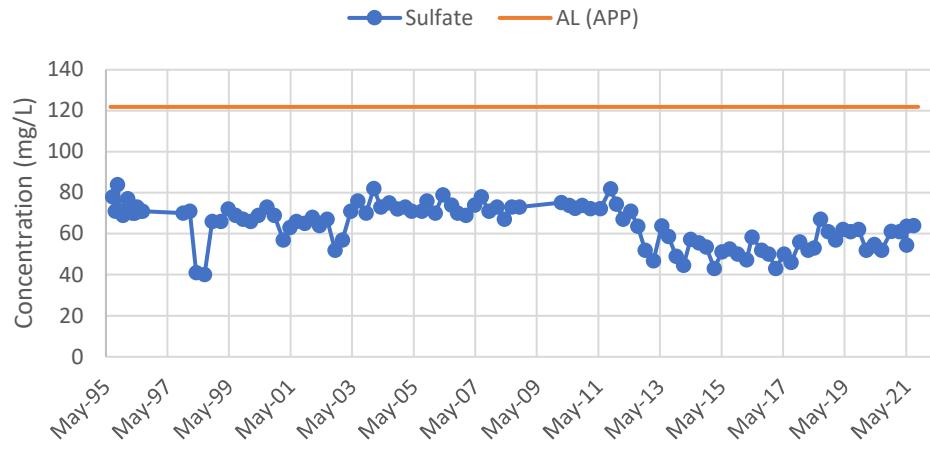


Figure 7b. Total Dissolved Solids

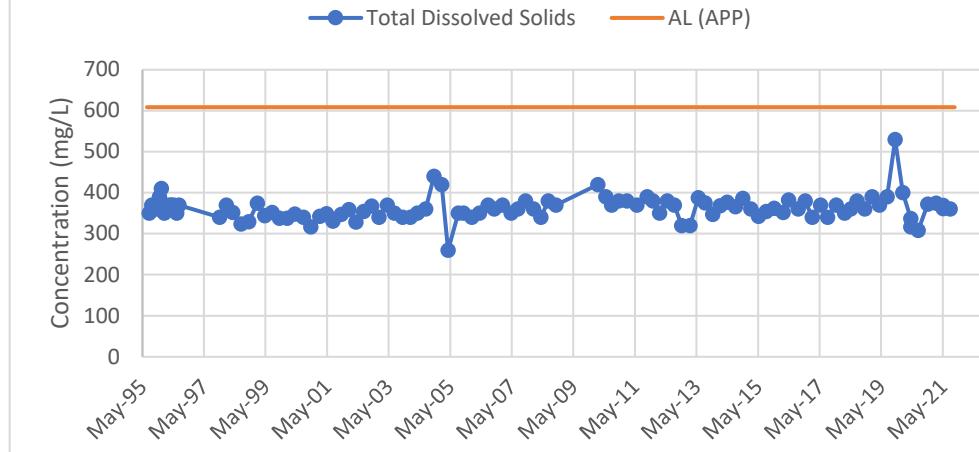


Figure 7c. Field pH

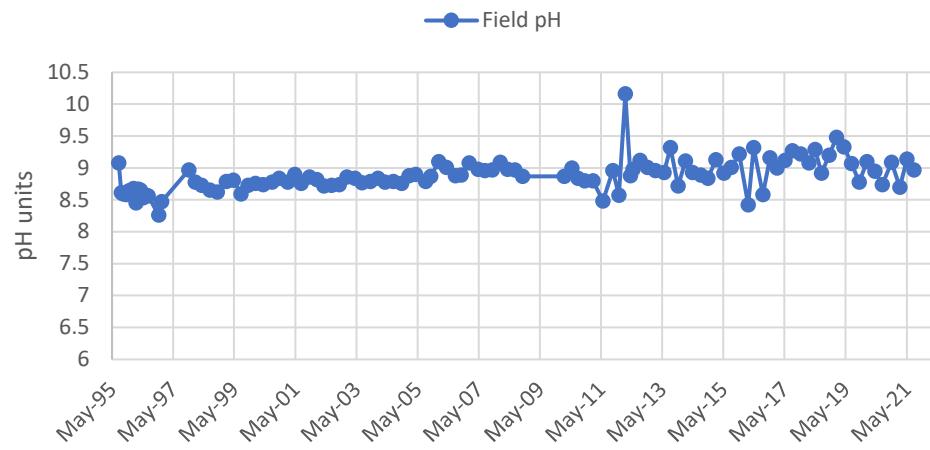
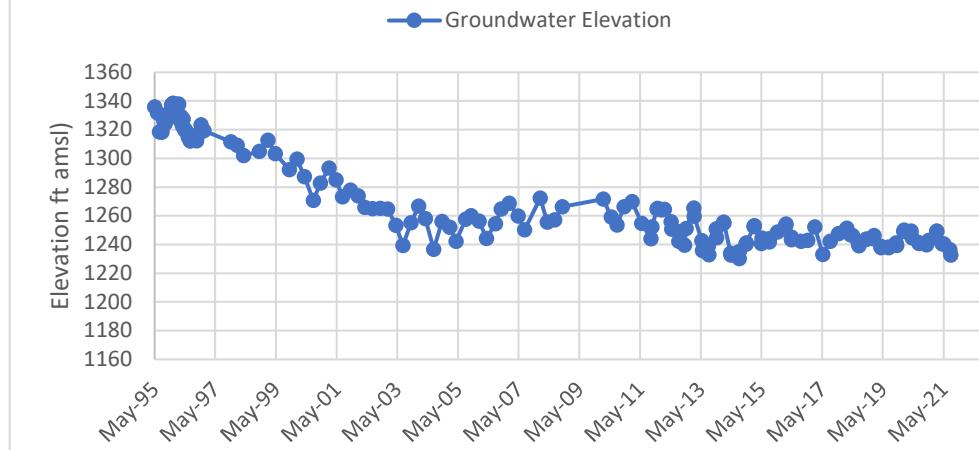


Figure 7d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M14-GL QUARTERLY CONCENTRATION GRAPHS

Figure 8a. Sulfate

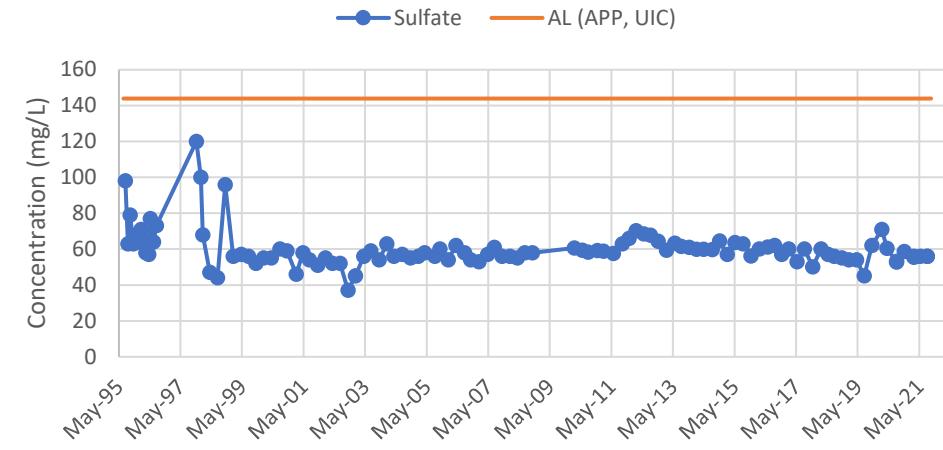


Figure 8b. Total Dissolved Solids

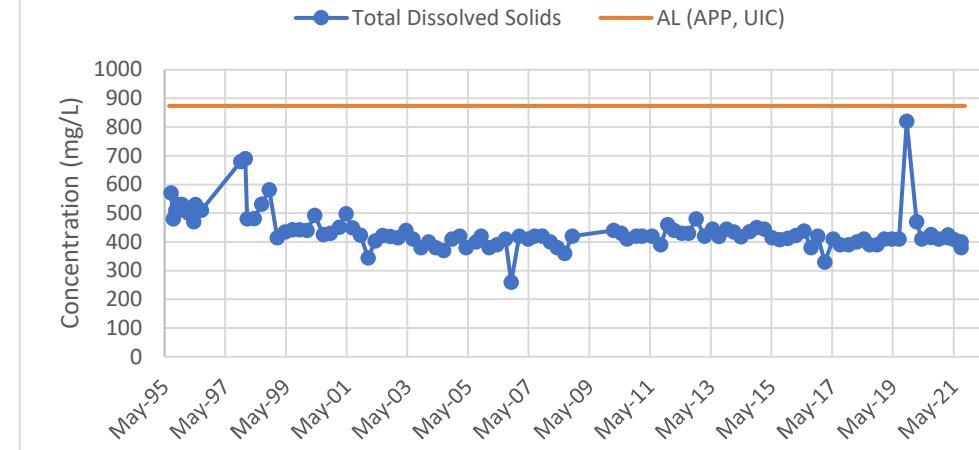


Figure 8c. Field pH

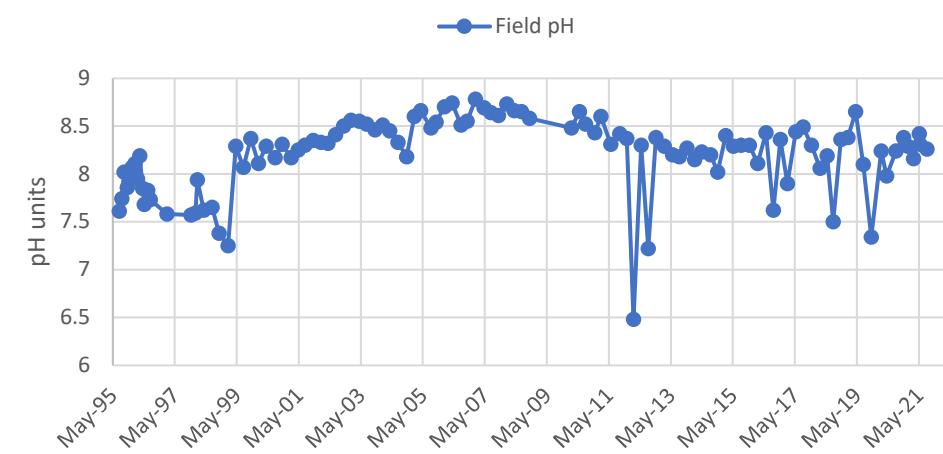
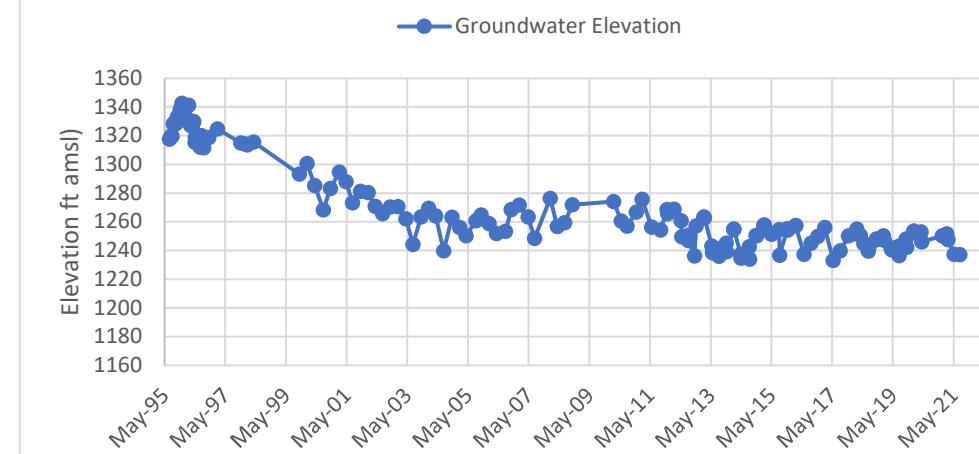


Figure 8d. Groundwater Elevation



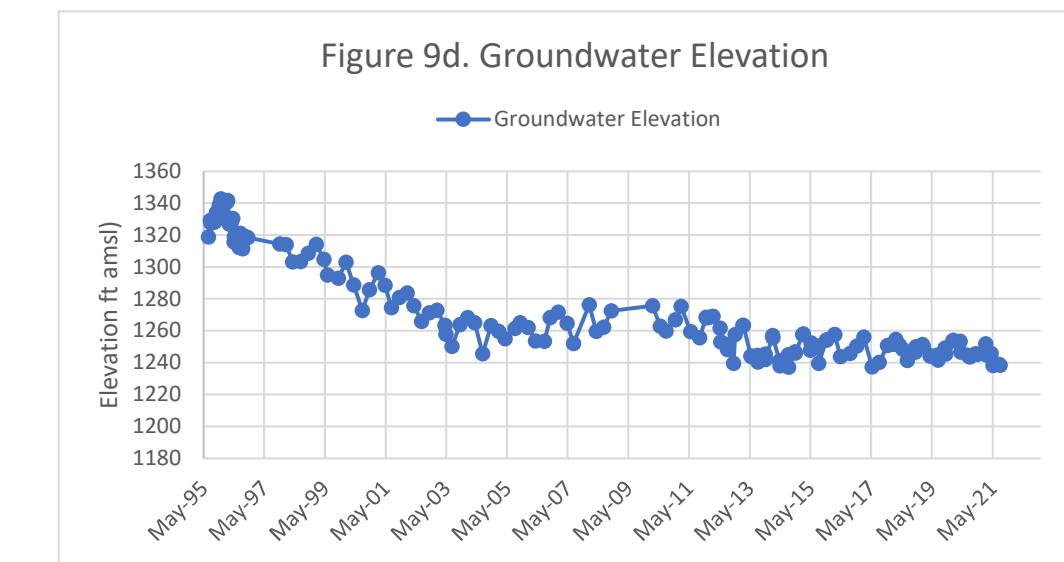
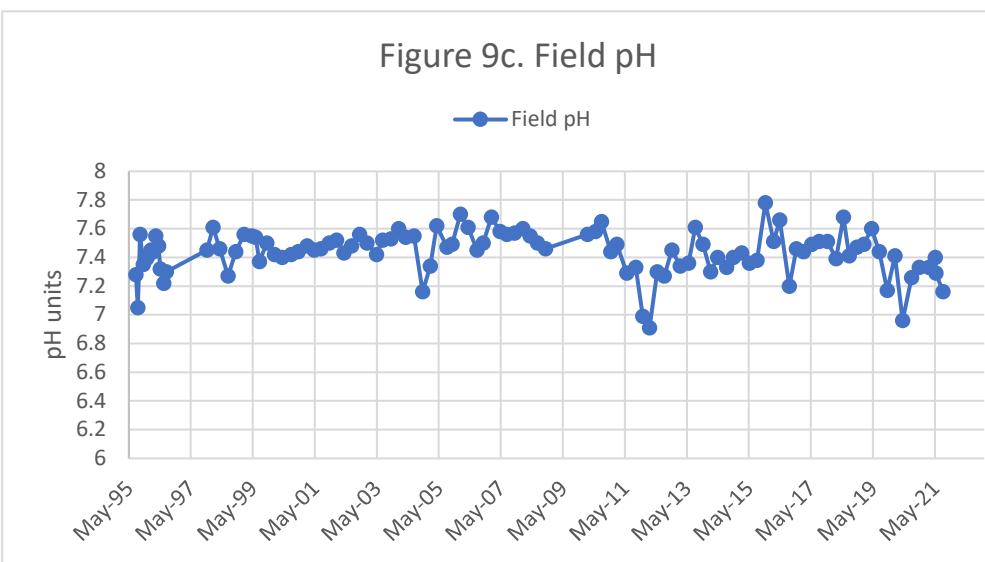
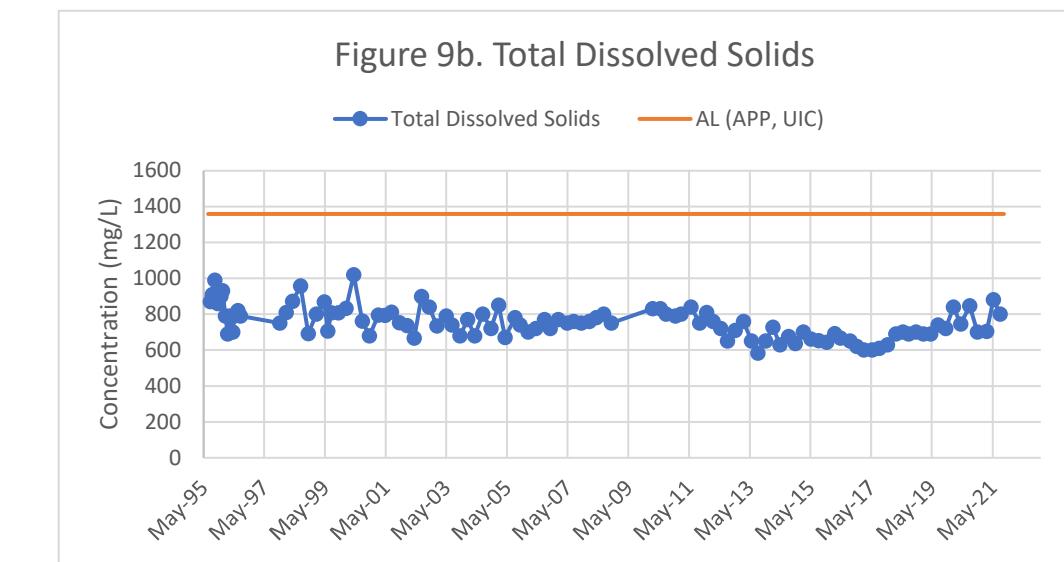
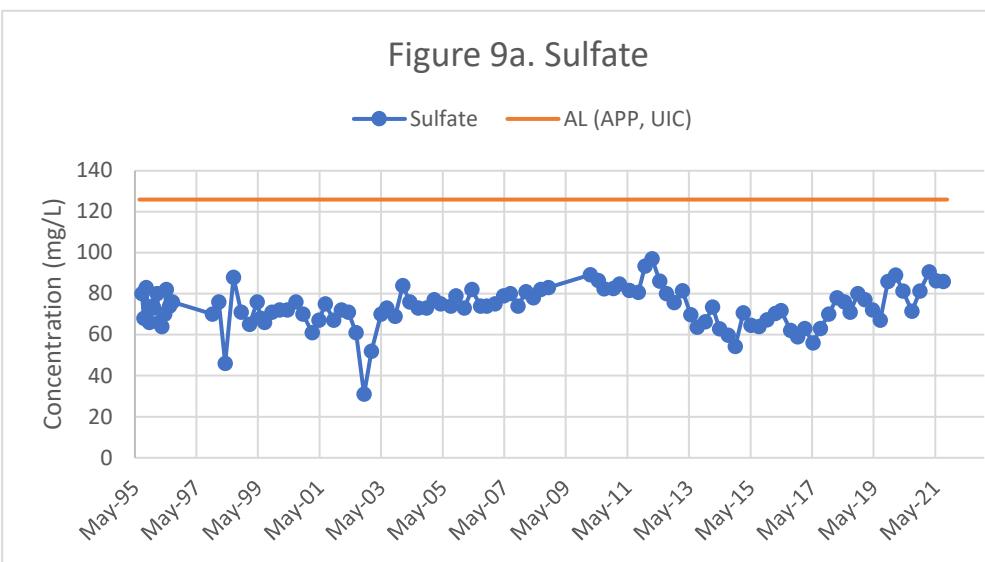
Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M15-GU QUARTERLY CONCENTRATION GRAPHS



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M16-GU(R) QUARTERLY CONCENTRATION GRAPHS

Figure 10a. Sulfate

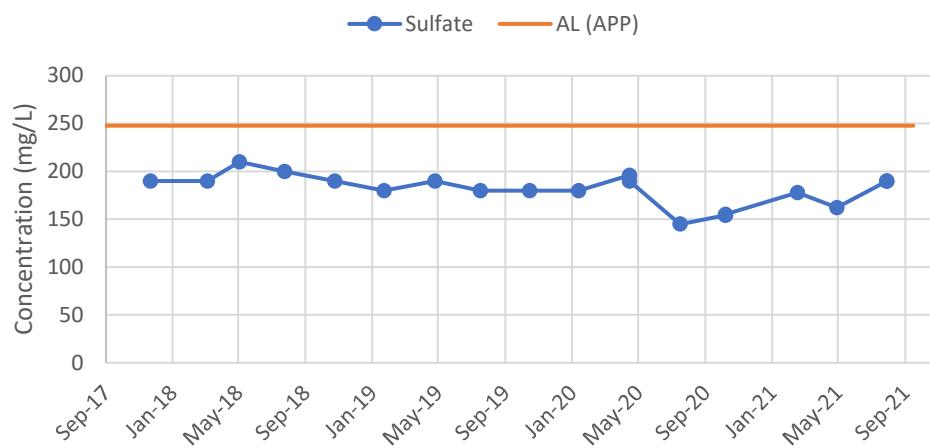


Figure 10b. Total Dissolved Solids

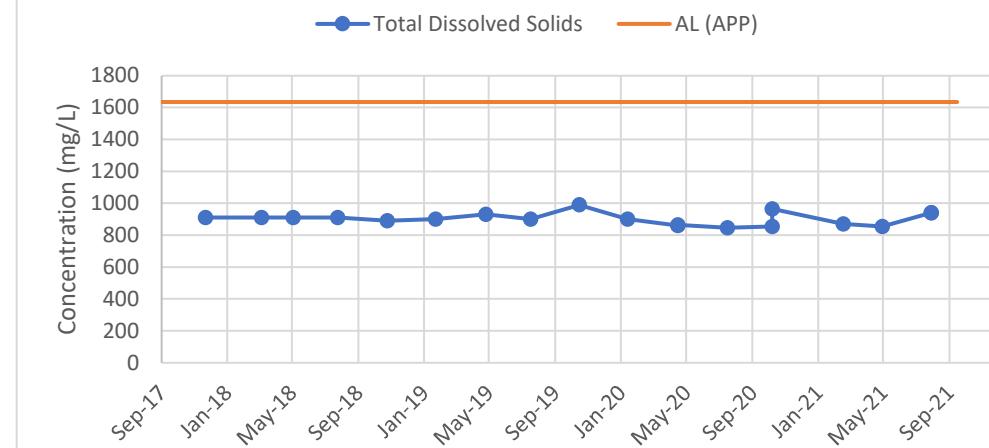


Figure 10c. Field pH

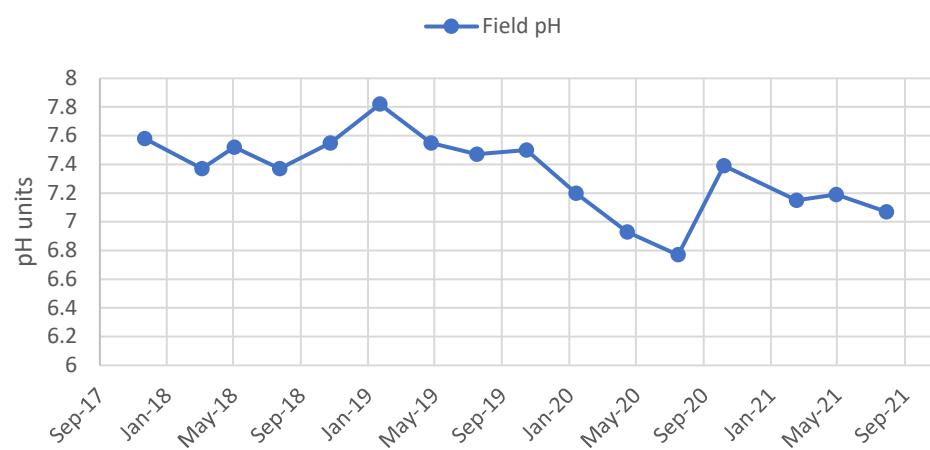
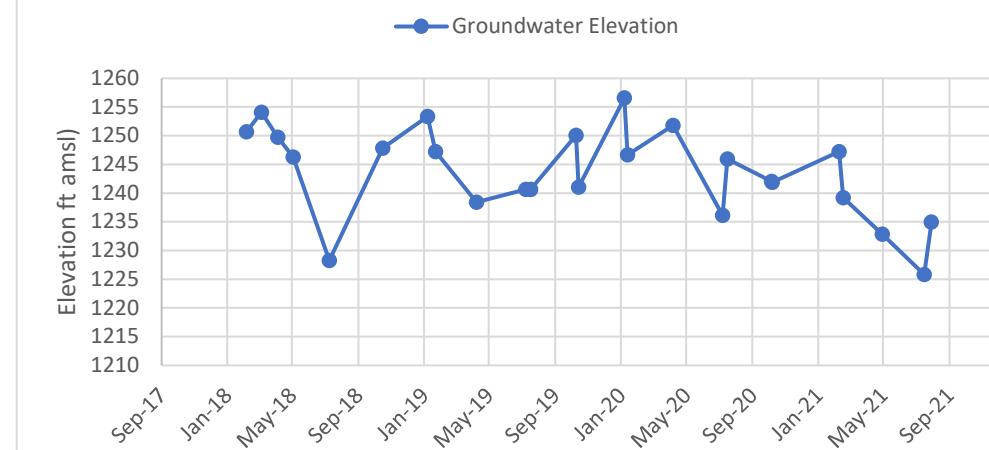


Figure 10d. Groundwater Elevation

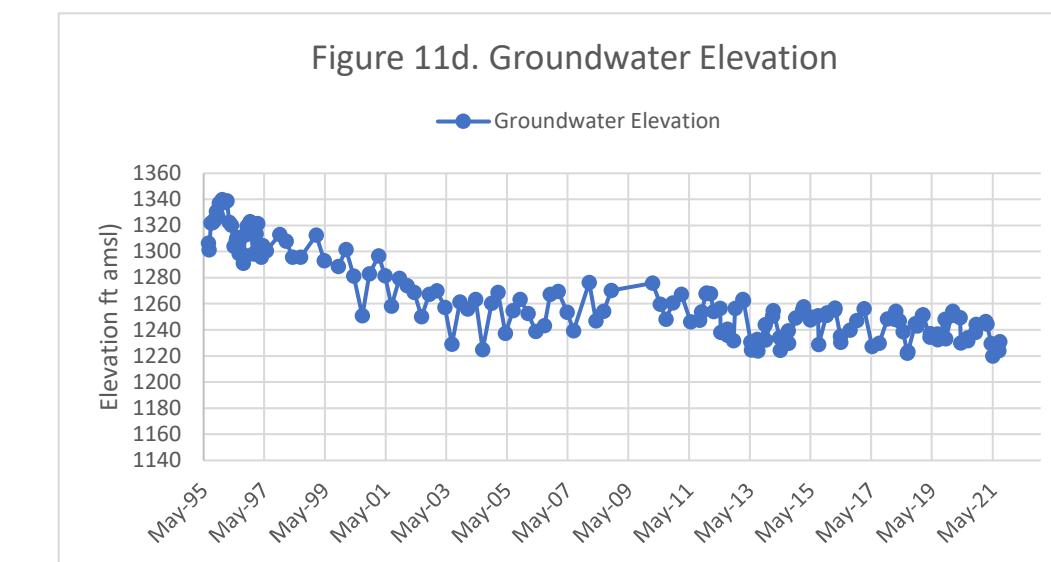
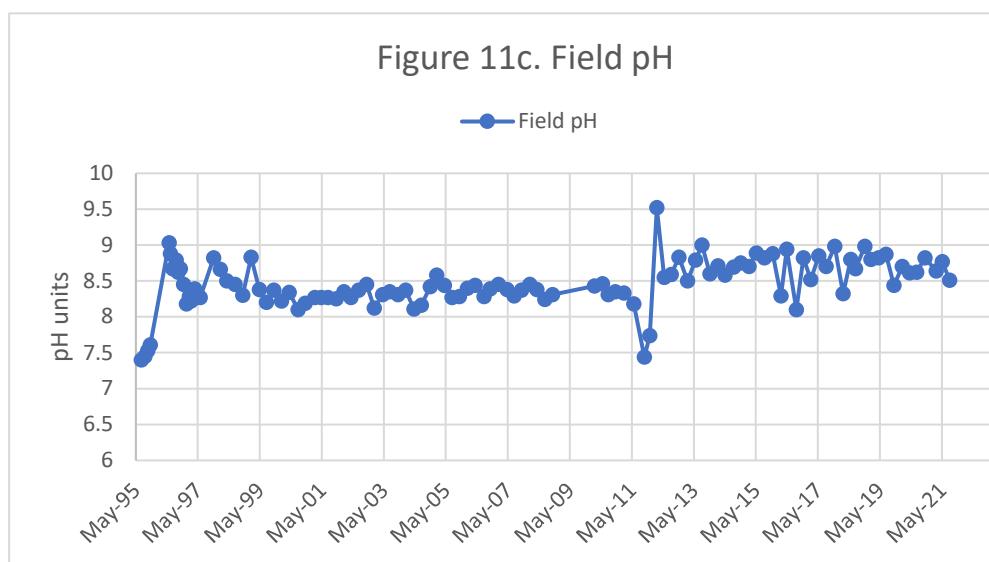
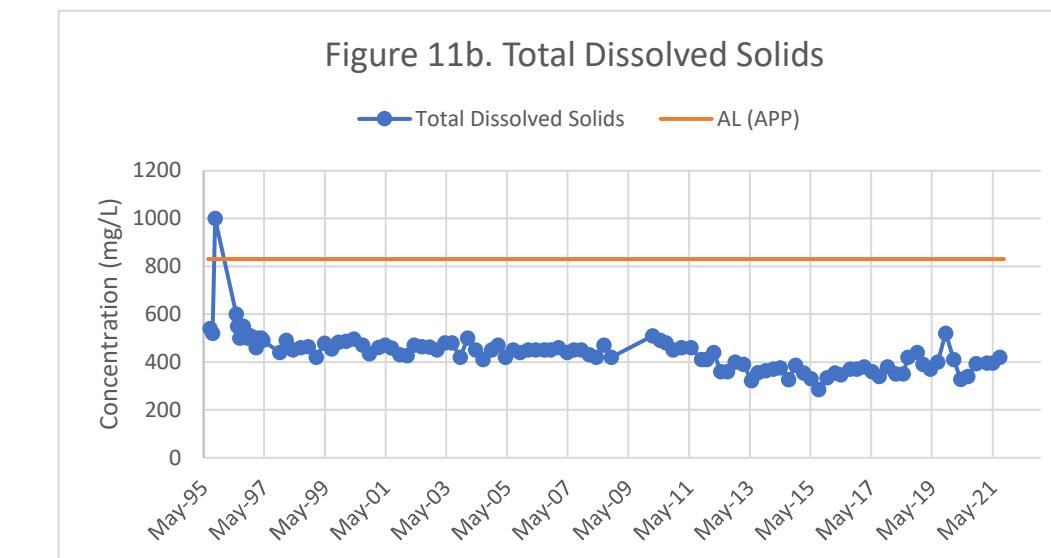
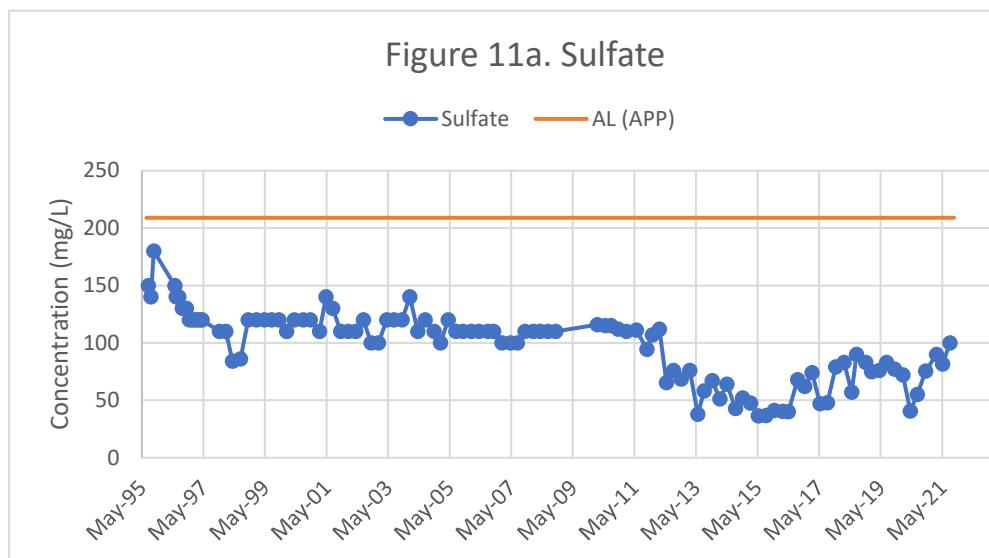


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M17-GL QUARTERLY CONCENTRATION GRAPHS

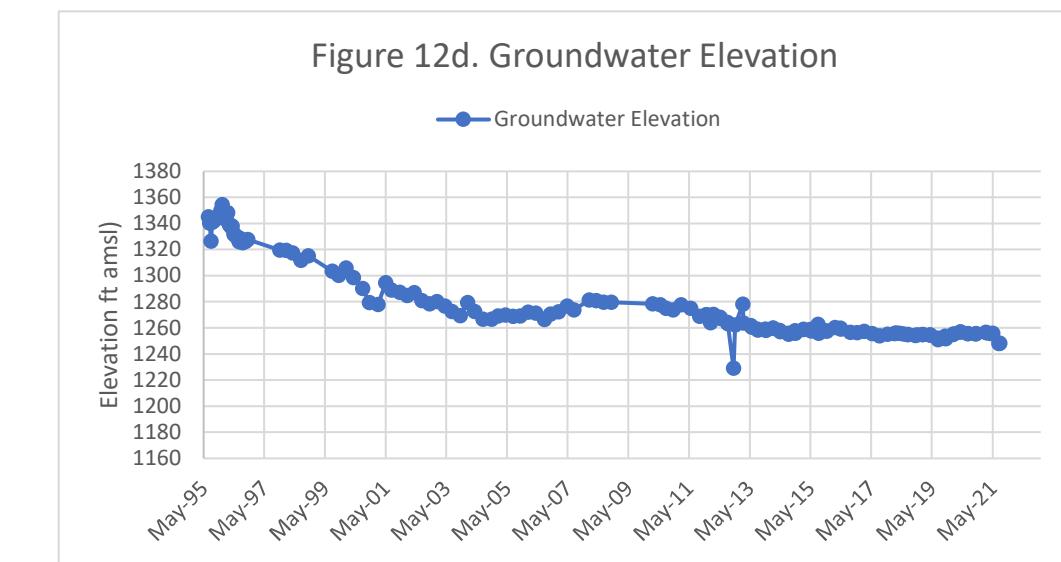
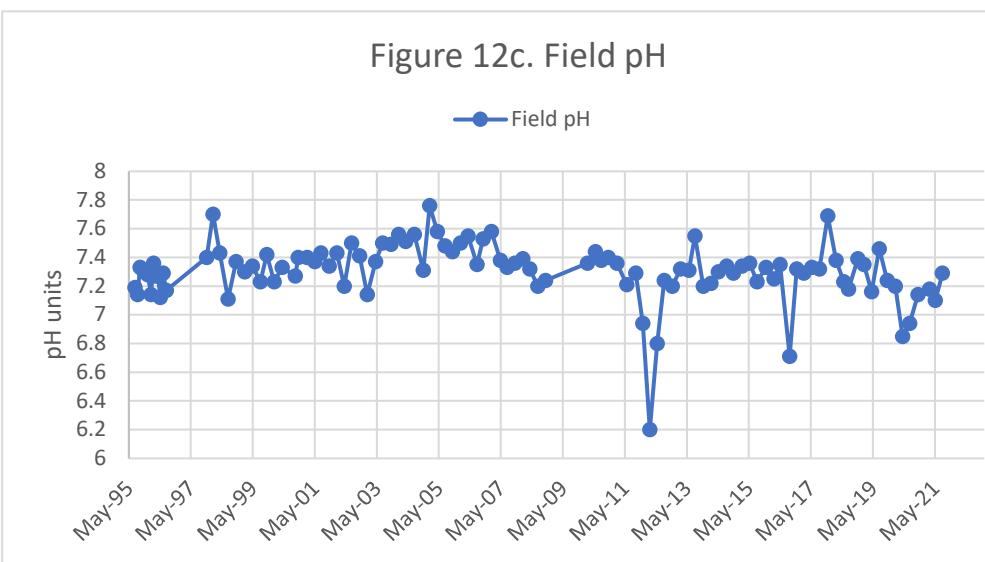
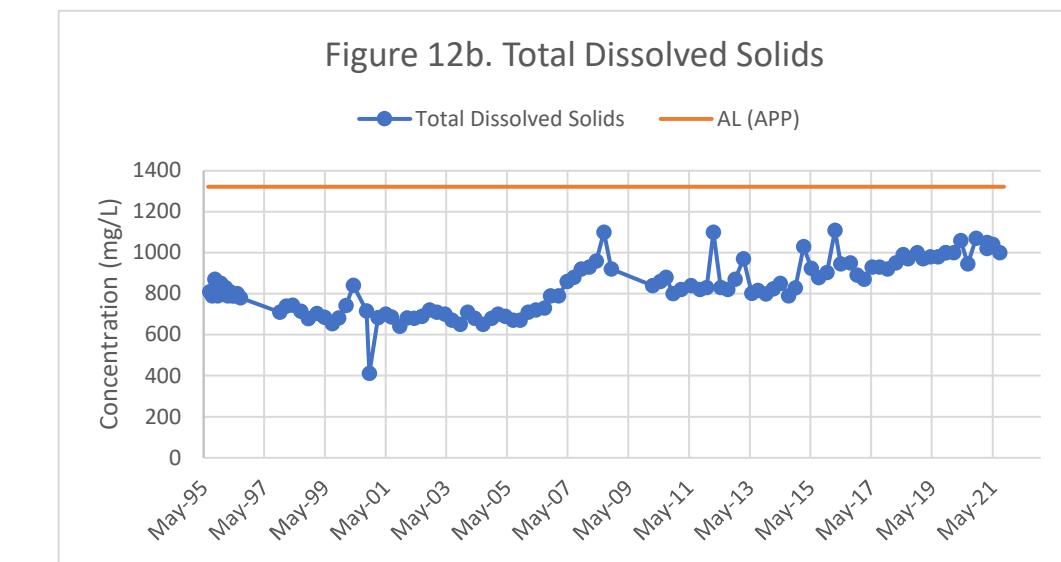
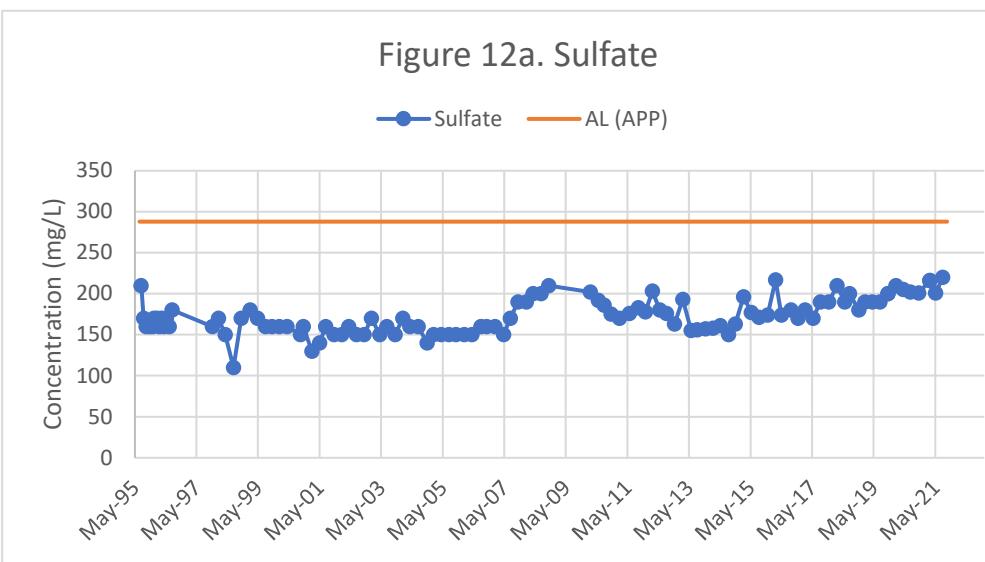


Notes:

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APP = Aquifer Protection Permit No. P-101704

M18-GU QUARTERLY CONCENTRATION GRAPHS

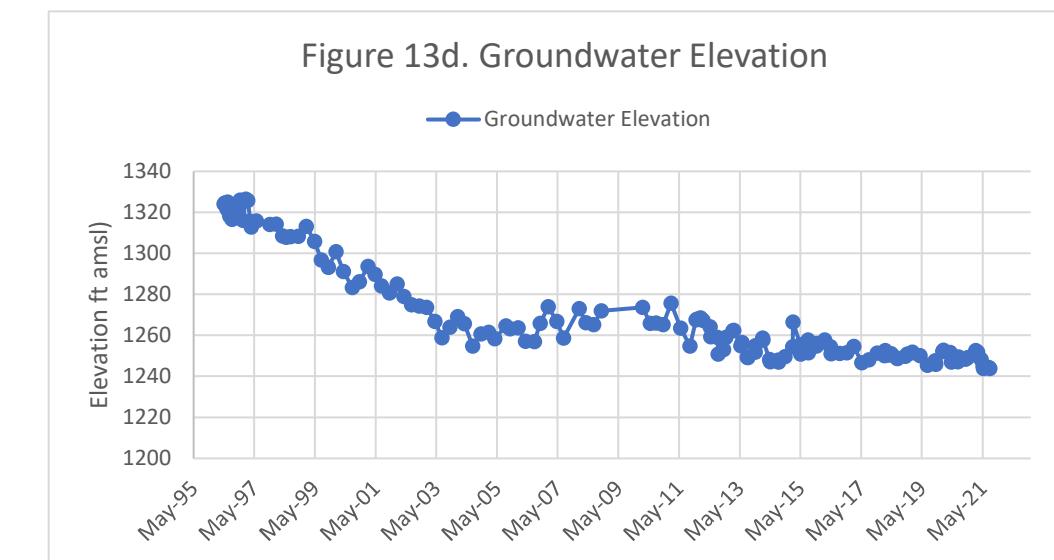
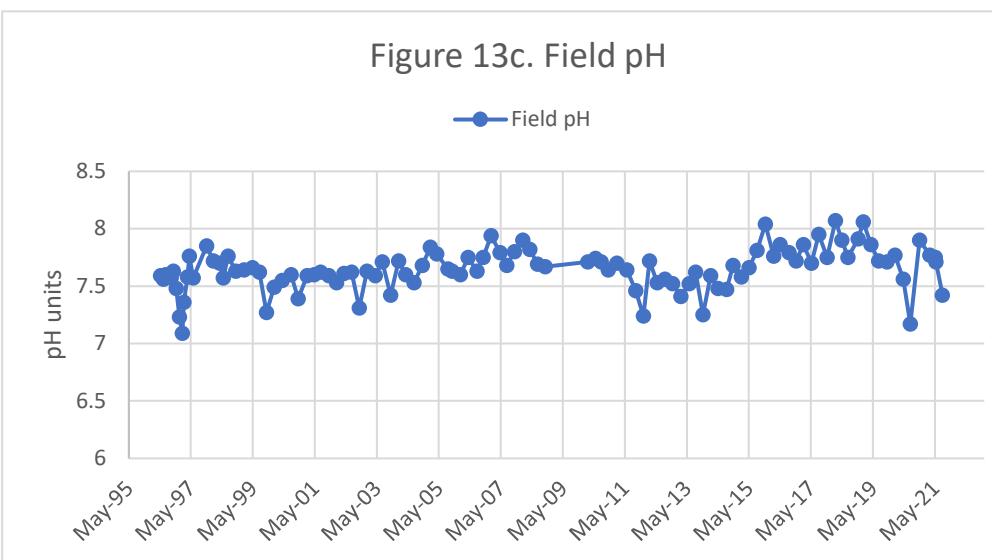
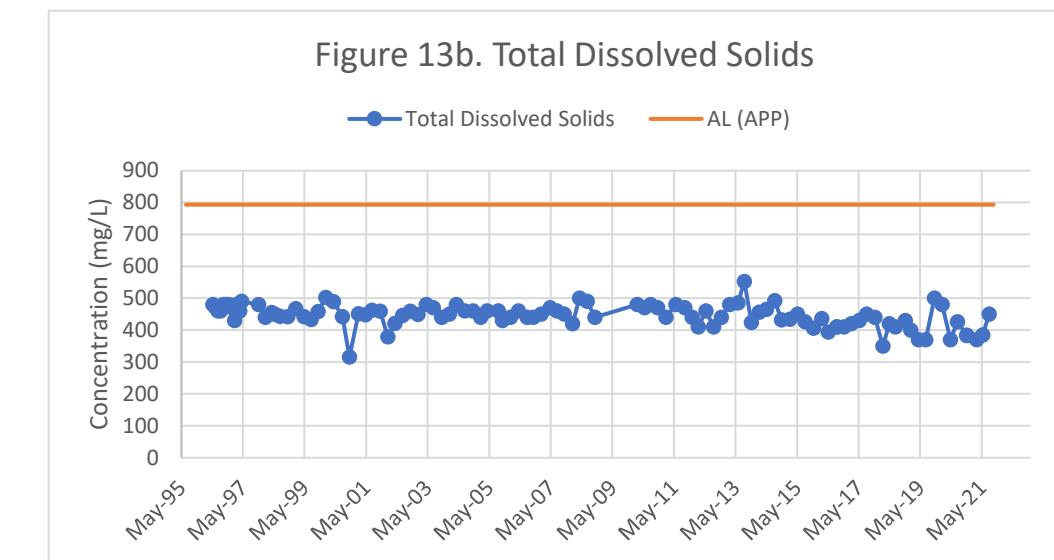
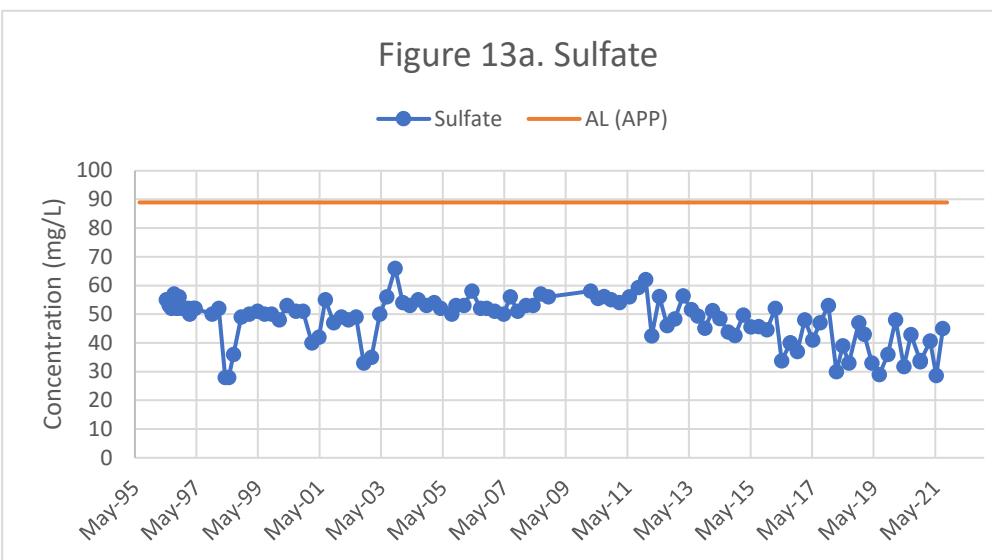


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M19-LBF QUARTERLY CONCENTRATION GRAPHS

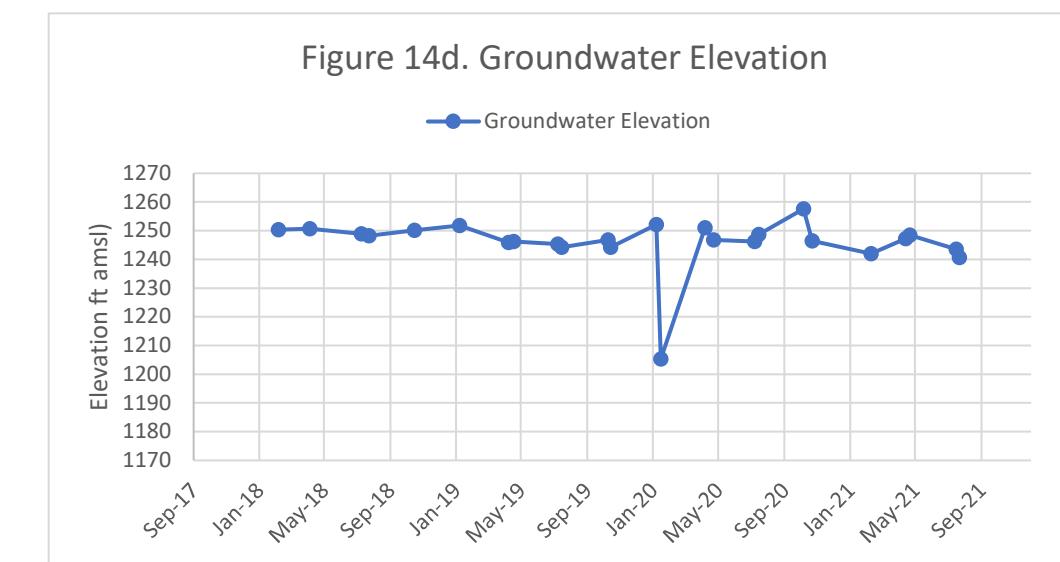
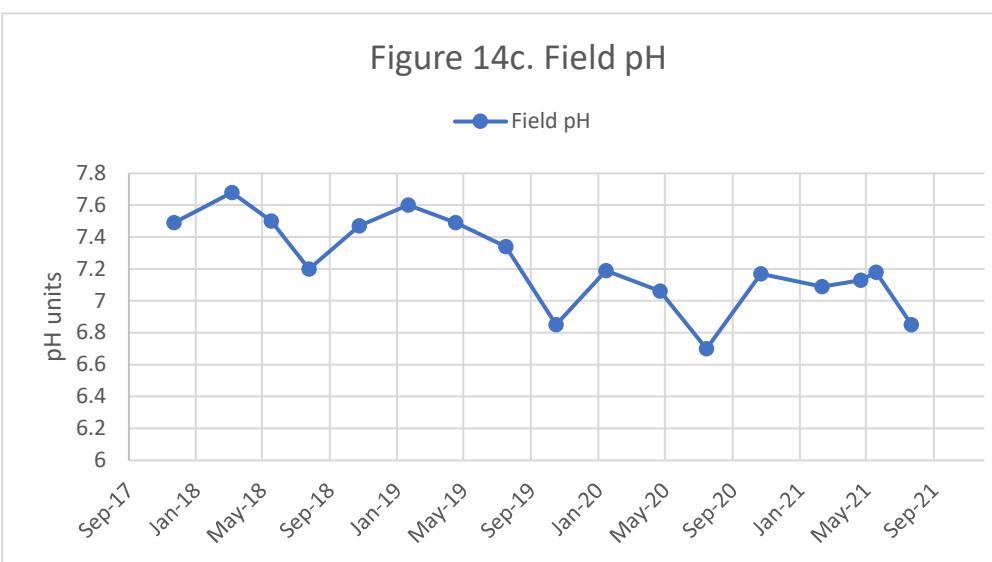
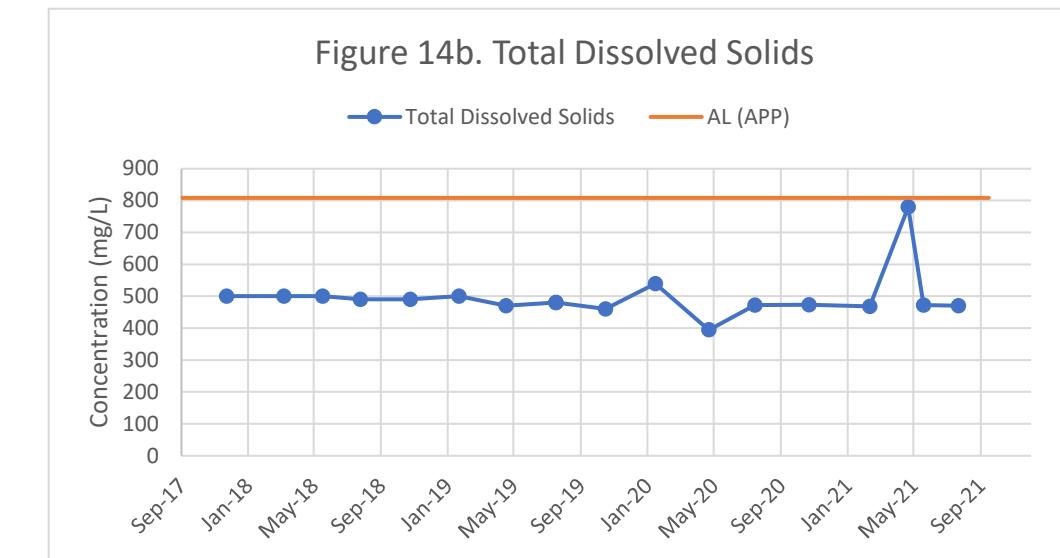
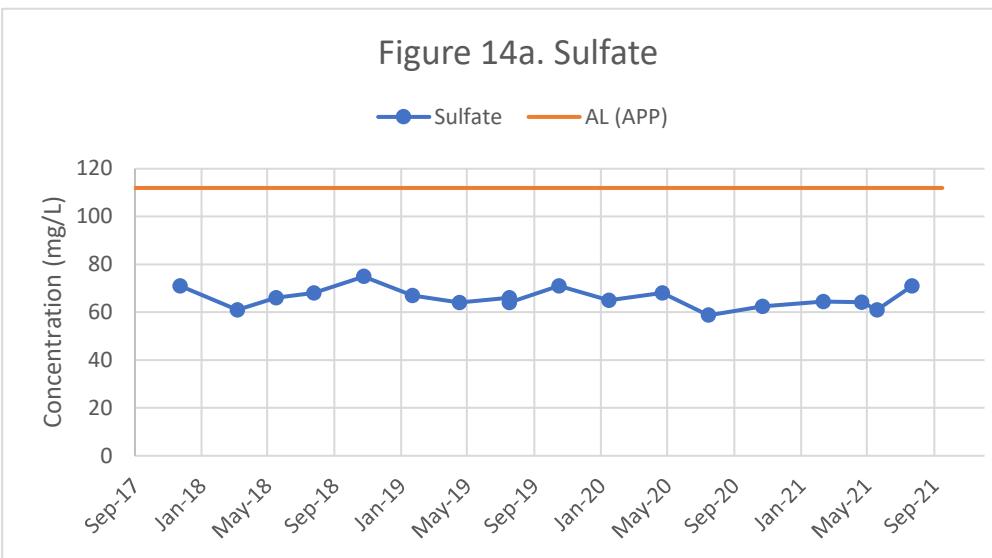


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M20-O(R) QUARTERLY CONCENTRATION GRAPHS

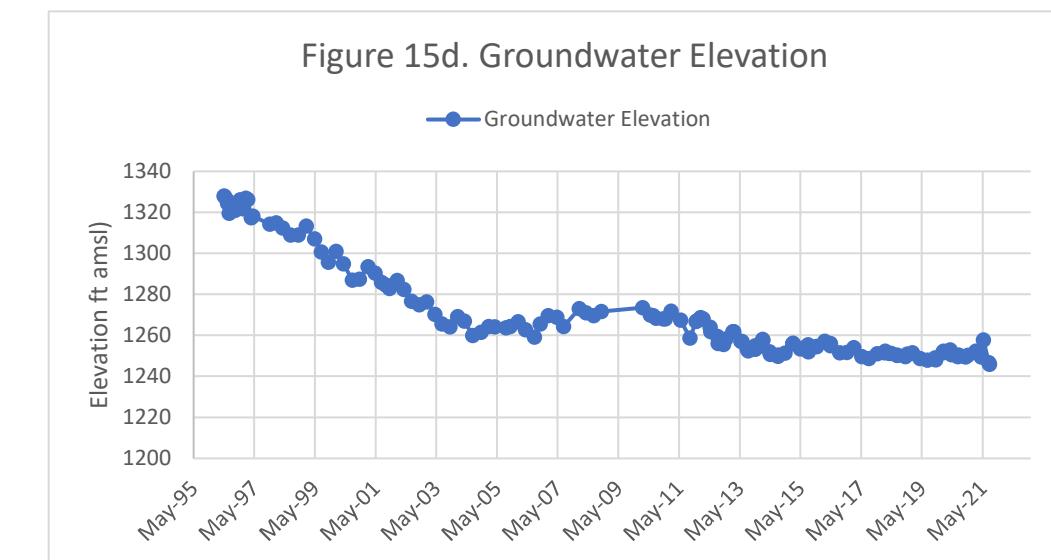
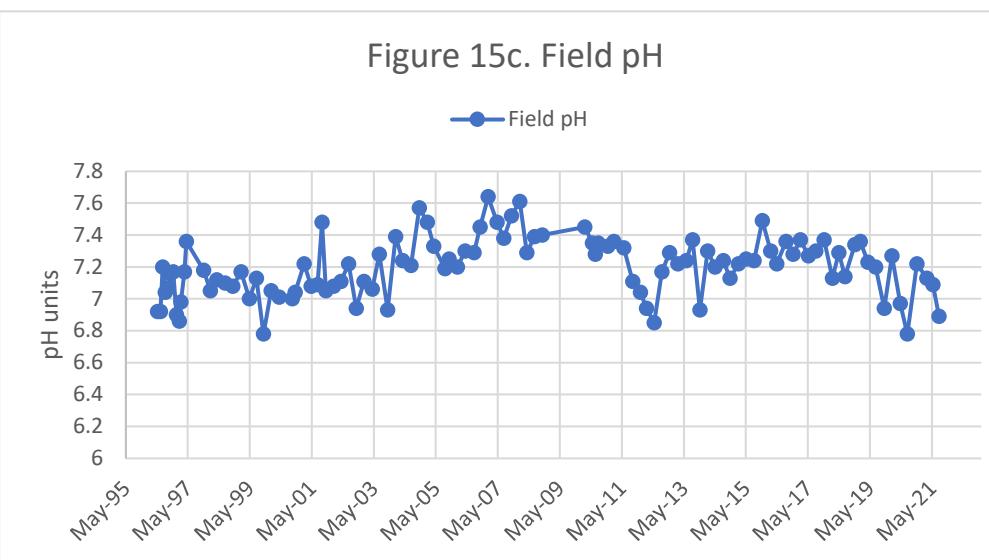
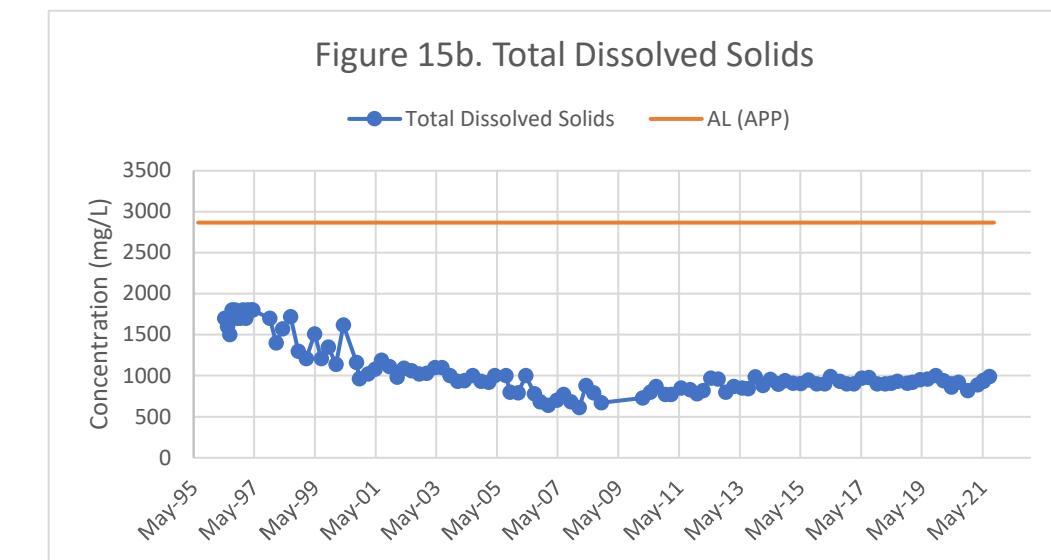
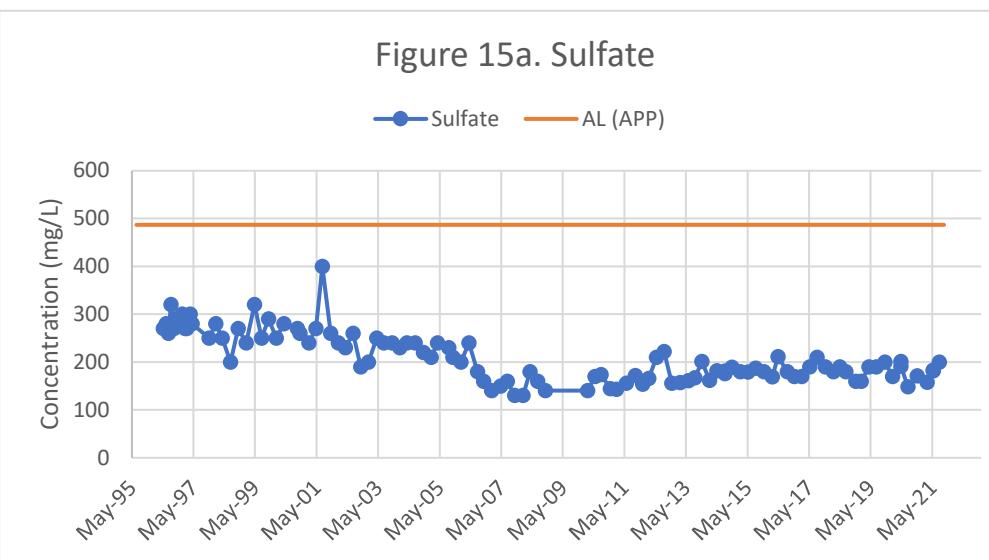


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M21-UBF QUARTERLY CONCENTRATION GRAPHS

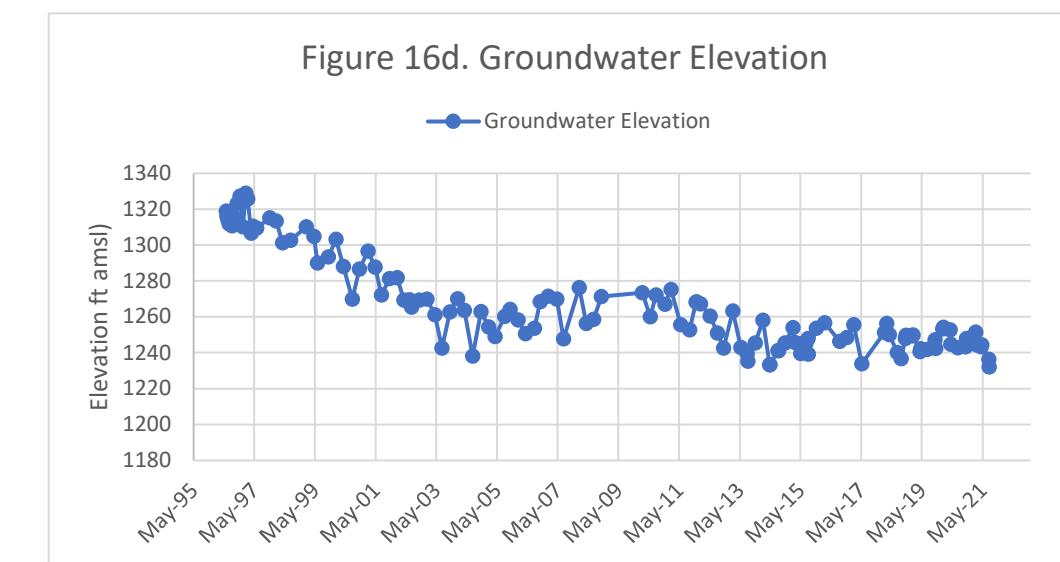
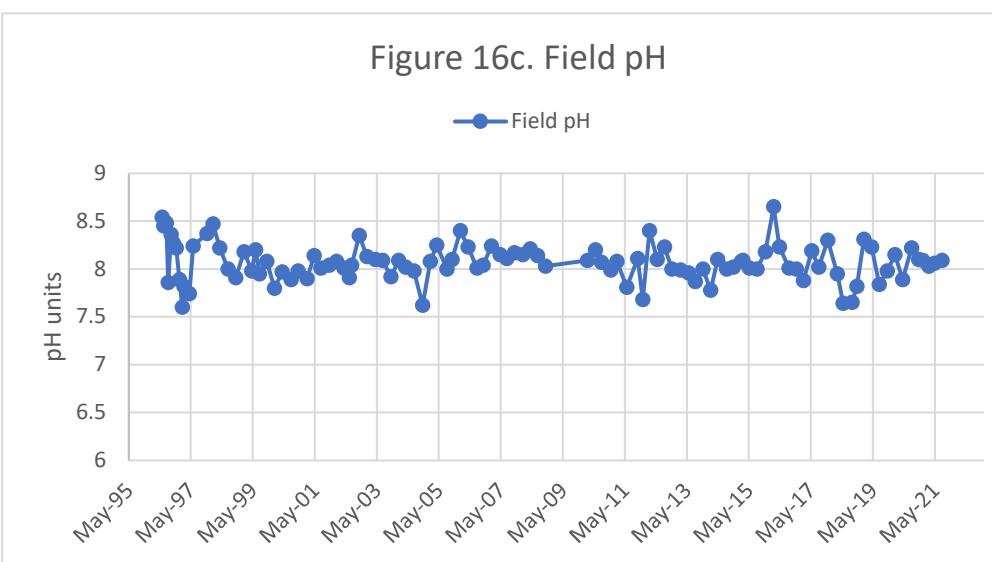
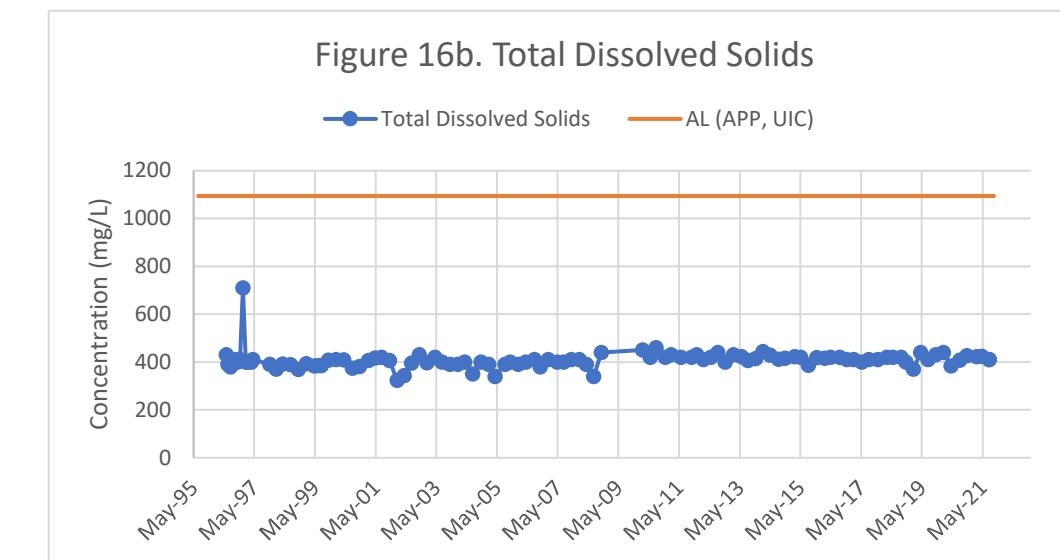
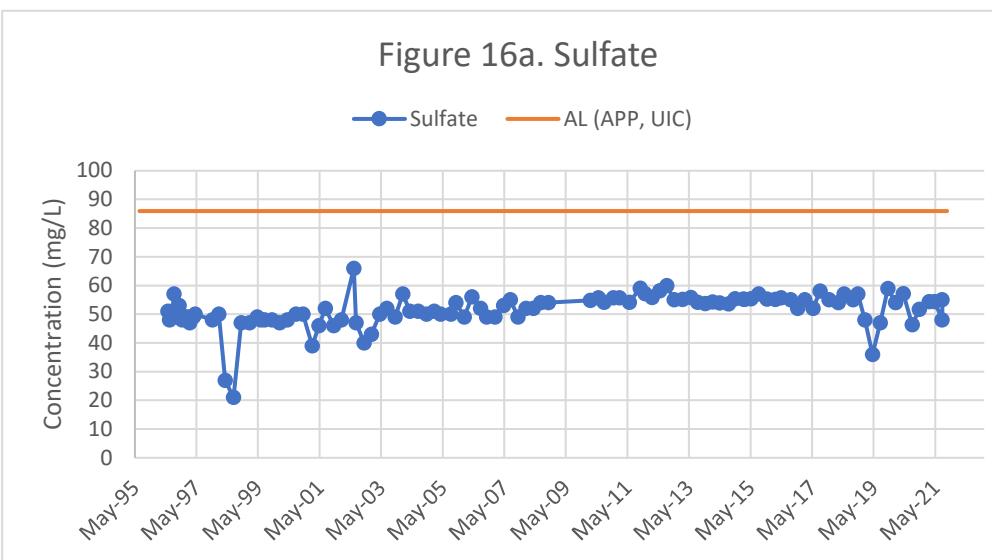


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M22-O QUARTERLY CONCENTRATION GRAPHS



Notes:

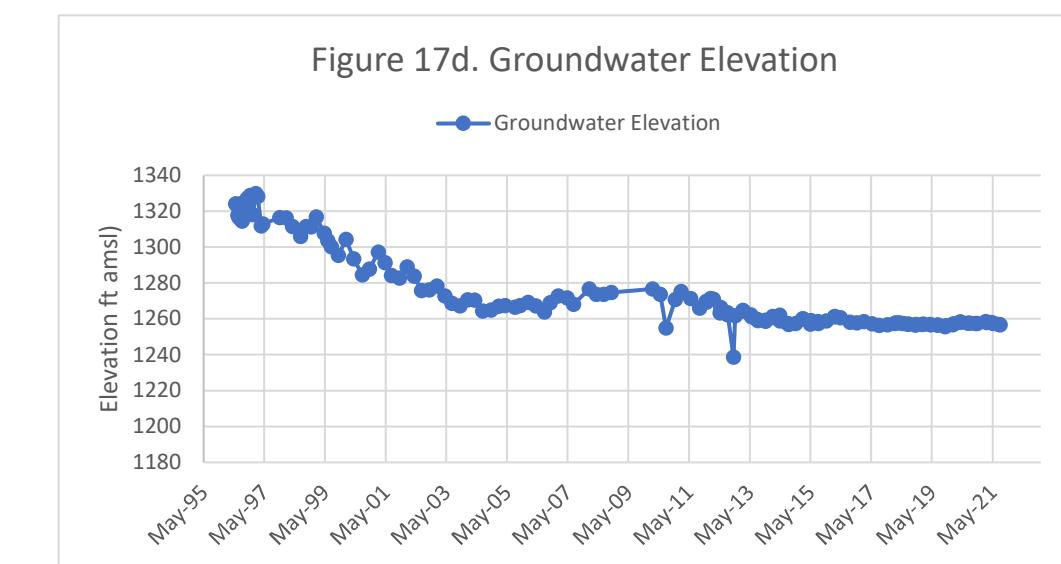
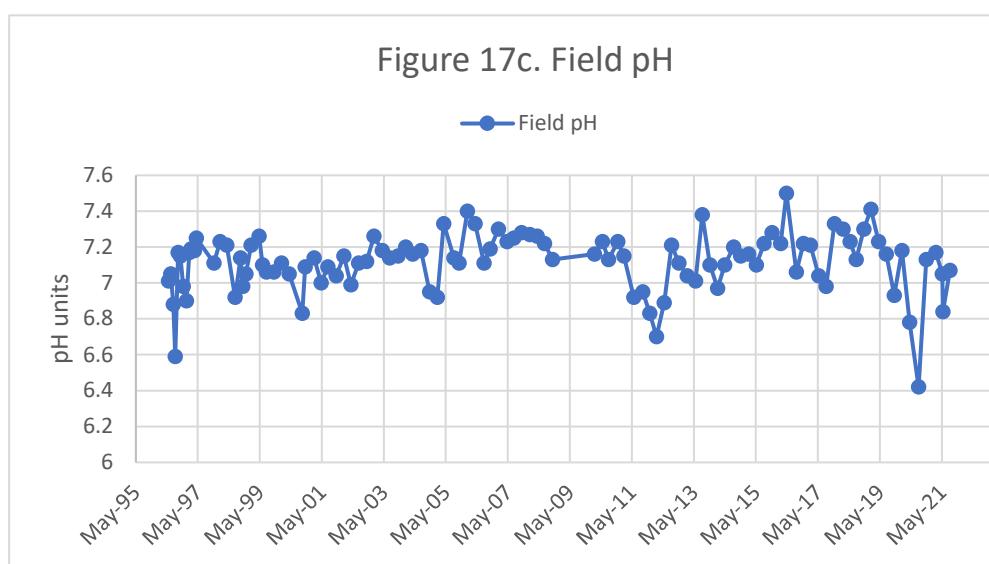
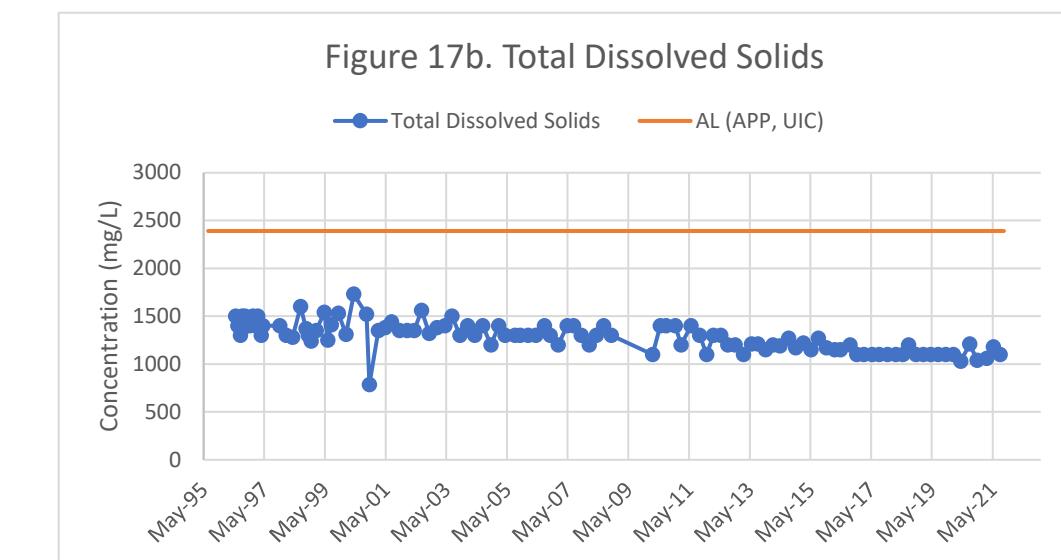
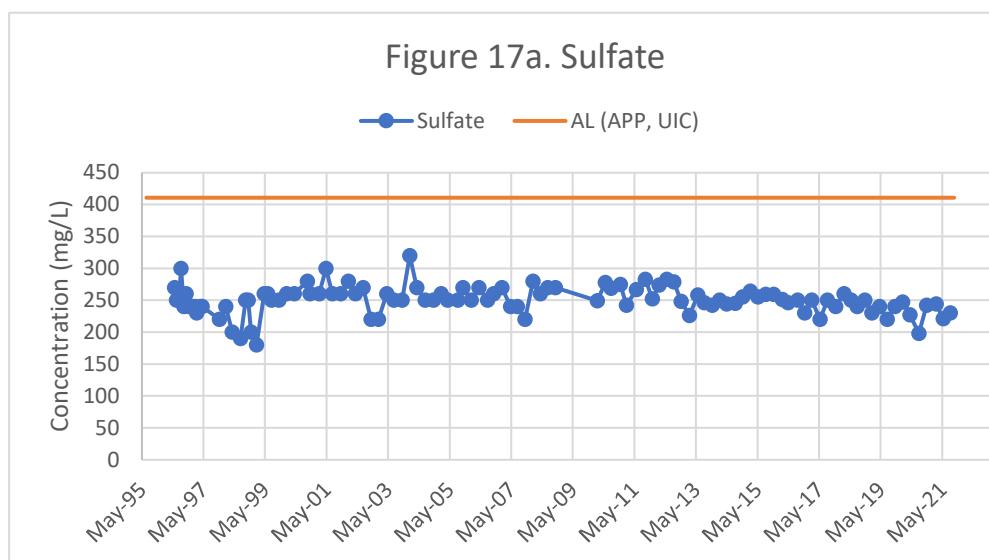
Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M23-UBF QUARTERLY CONCENTRATION GRAPHS



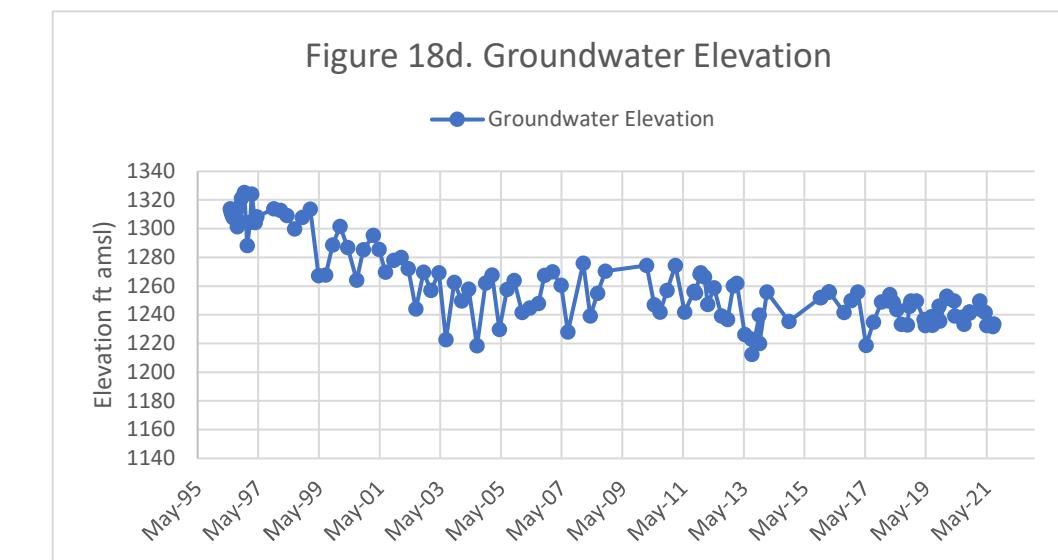
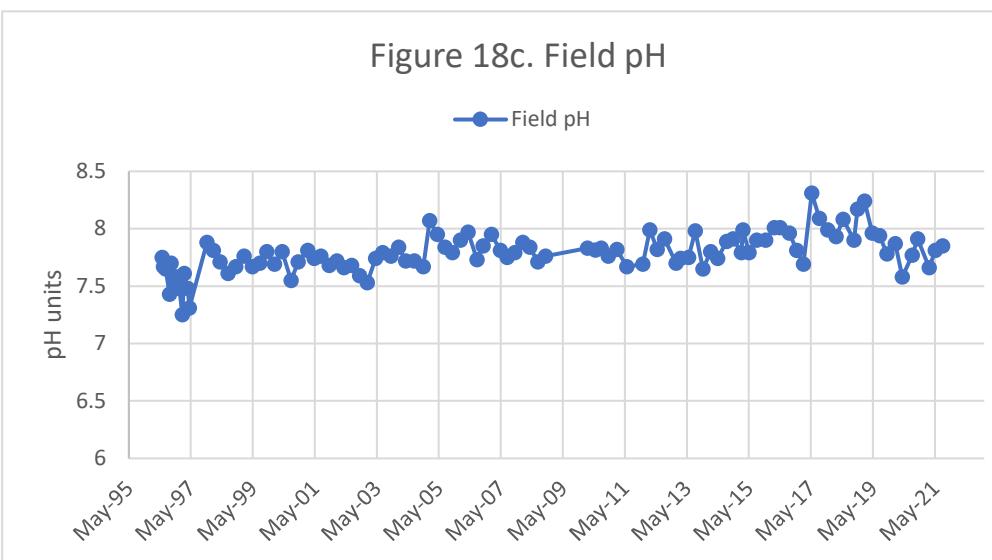
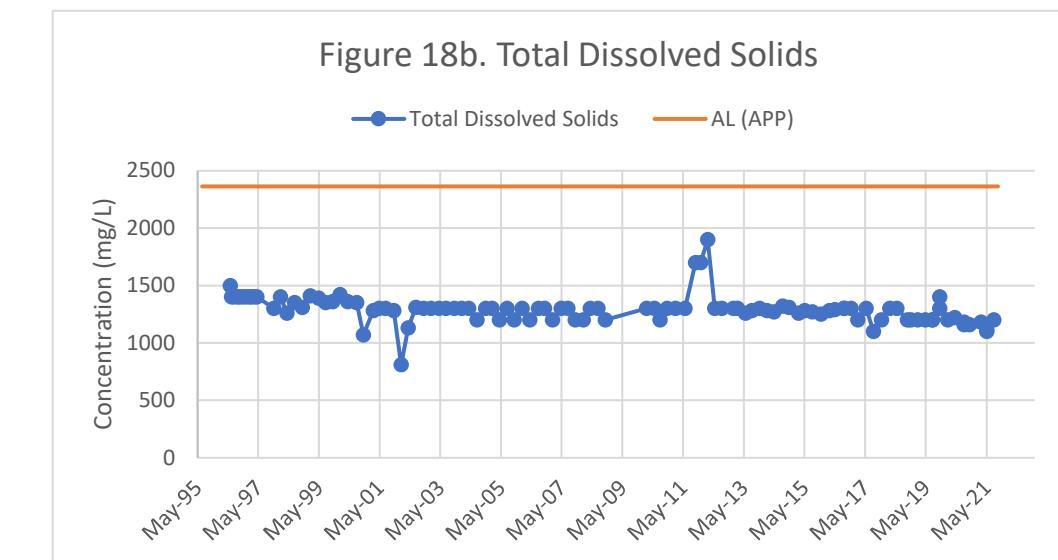
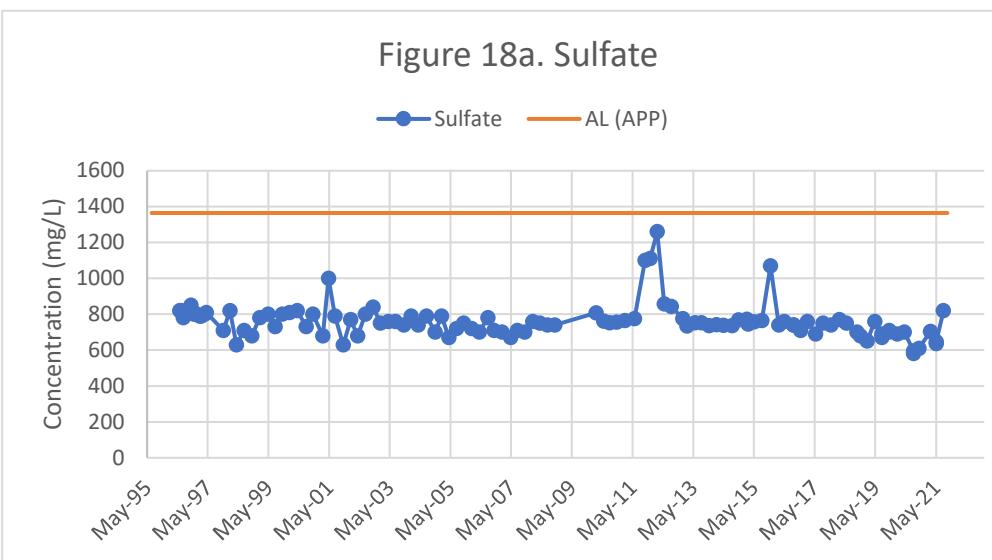
Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M24-O QUARTERLY CONCENTRATION GRAPHS

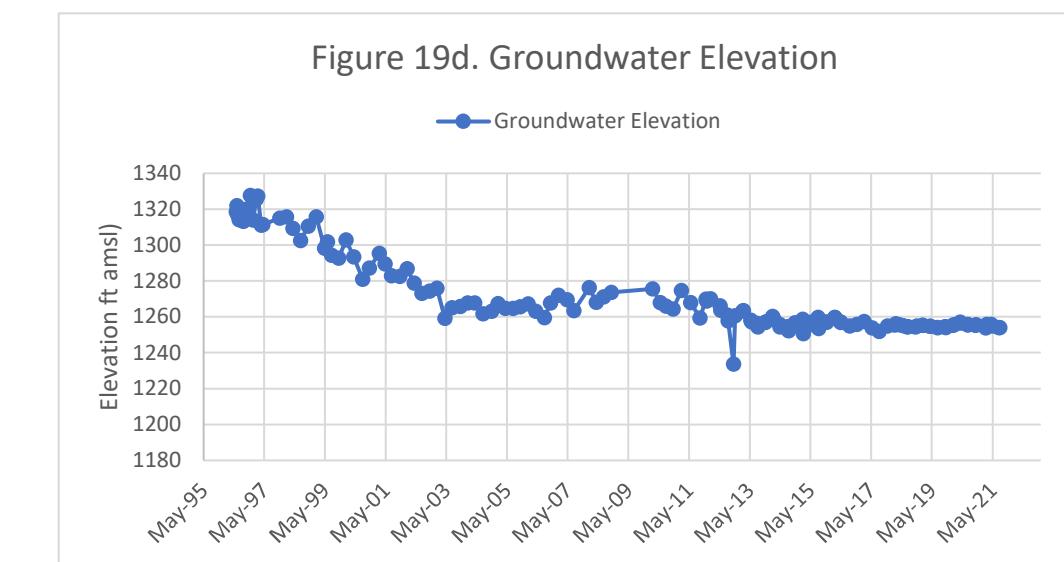
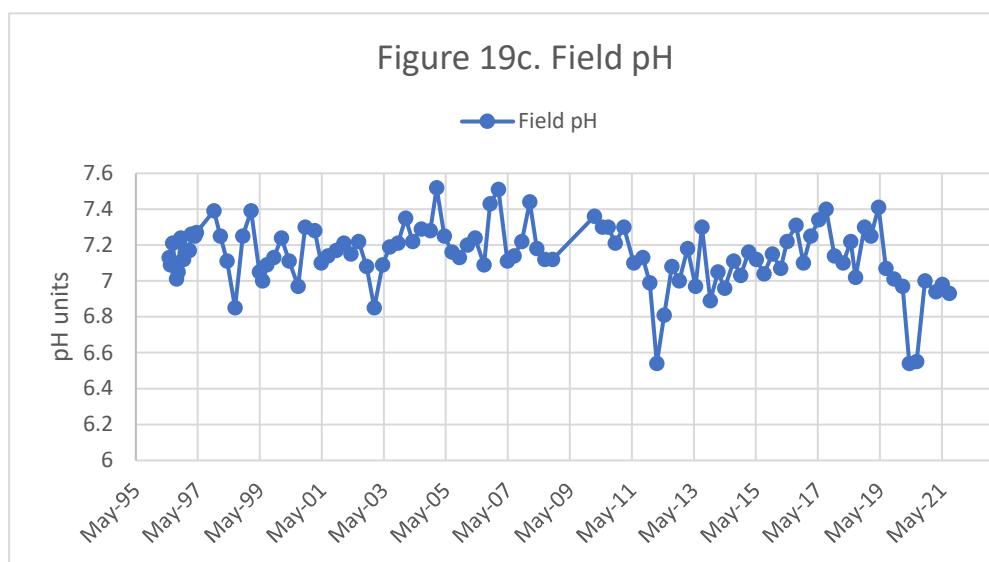
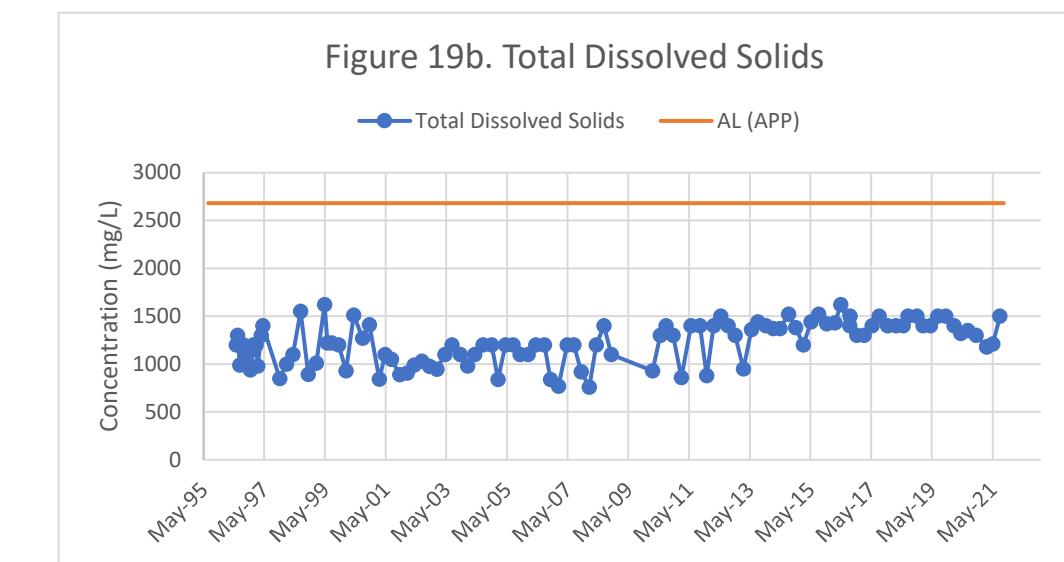
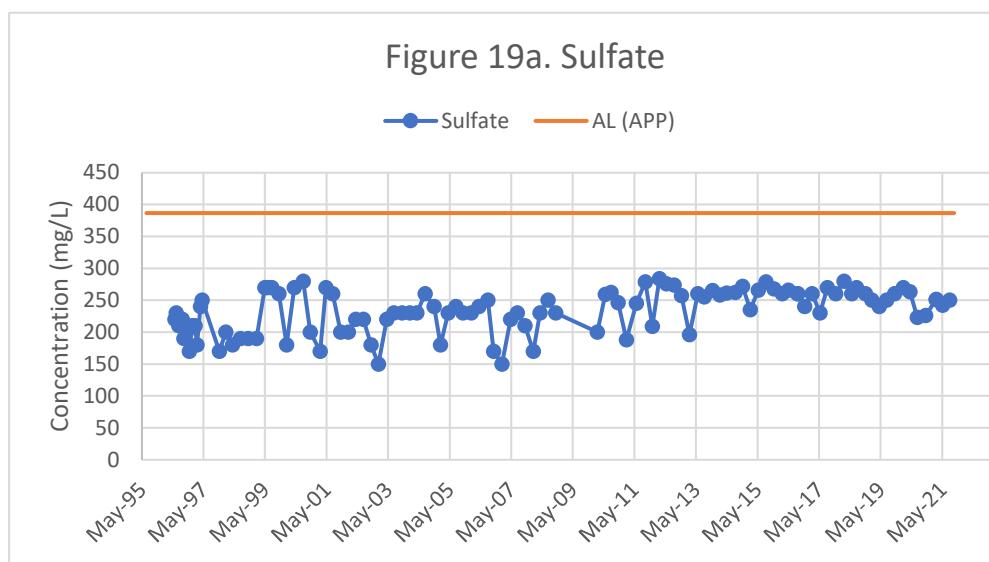


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M25-UBF QUARTERLY CONCENTRATION GRAPHS

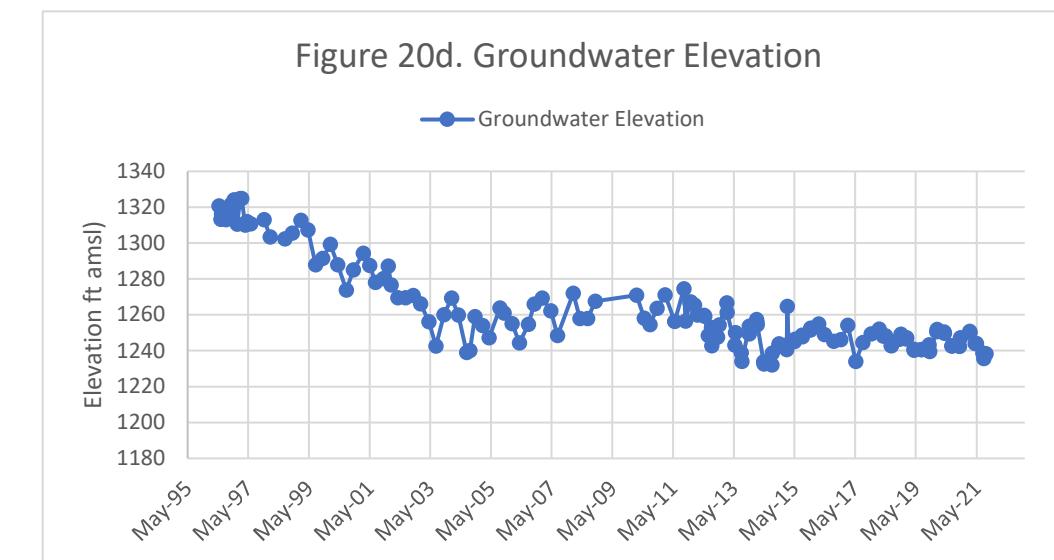
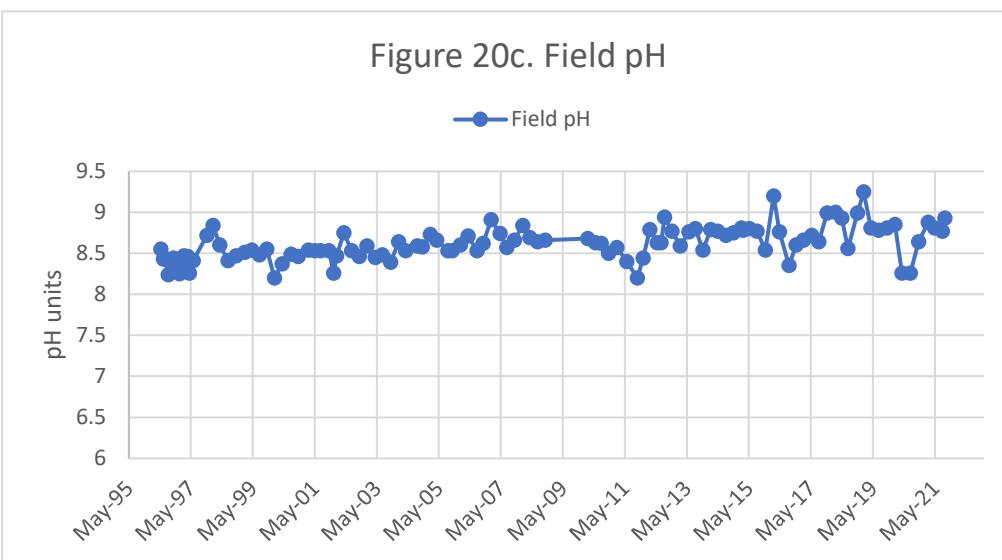
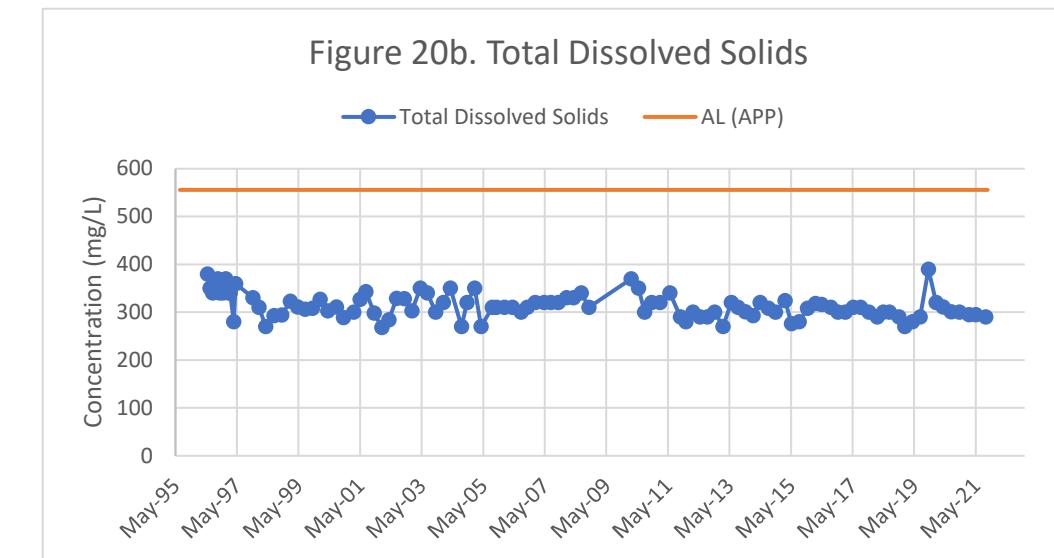
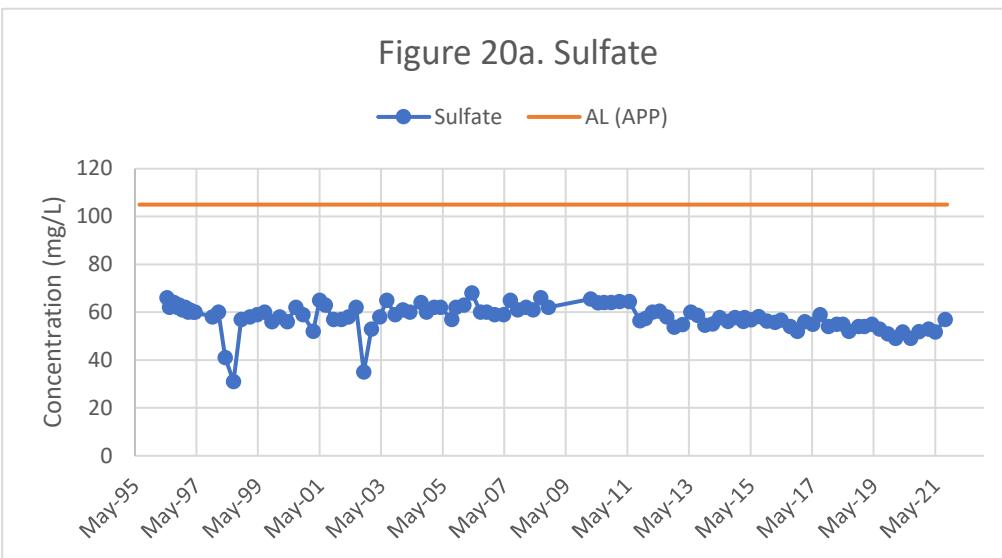


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M26-O QUARTERLY CONCENTRATION GRAPHS

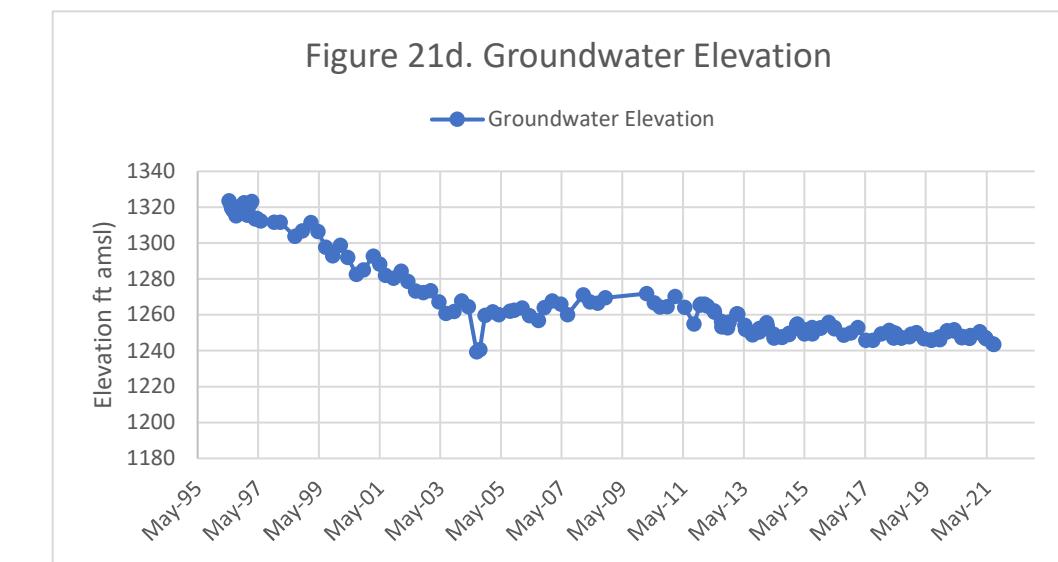
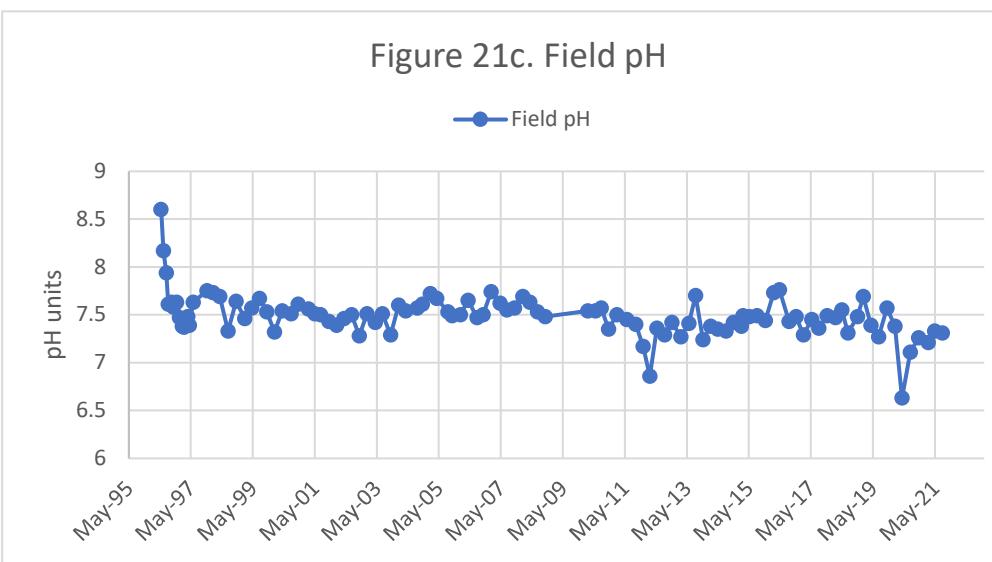
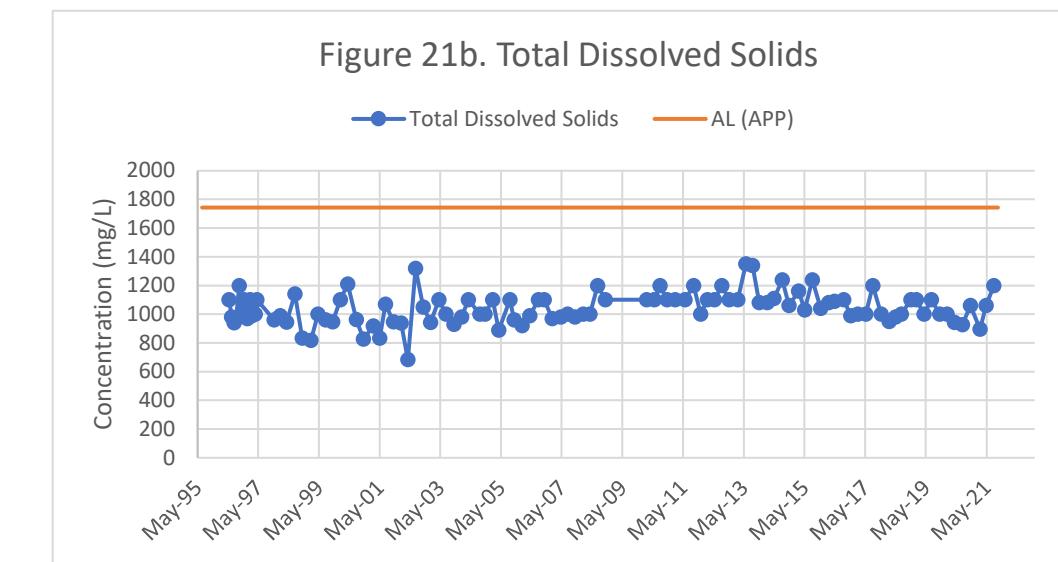
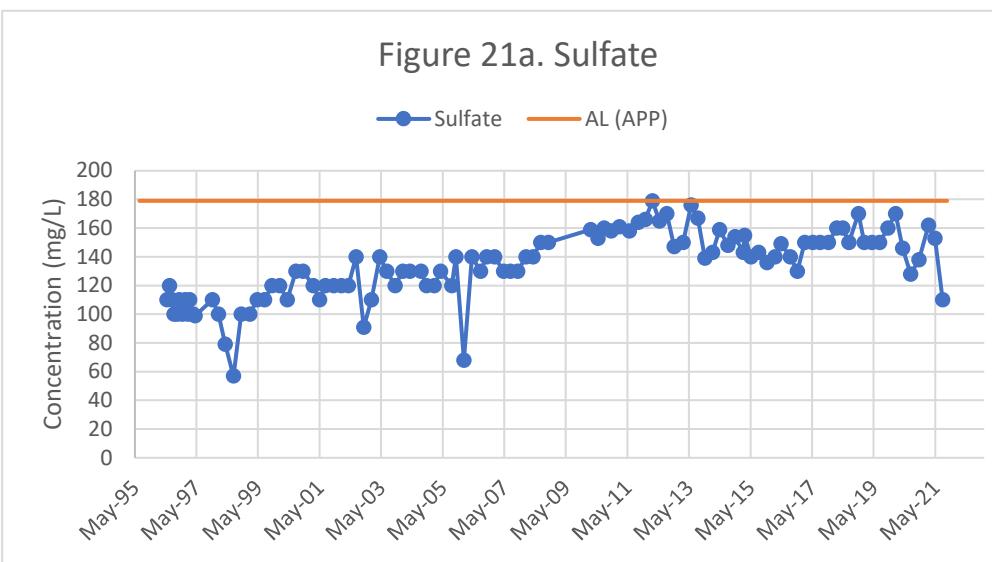


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M27-LBF QUARTERLY CONCENTRATION GRAPHS

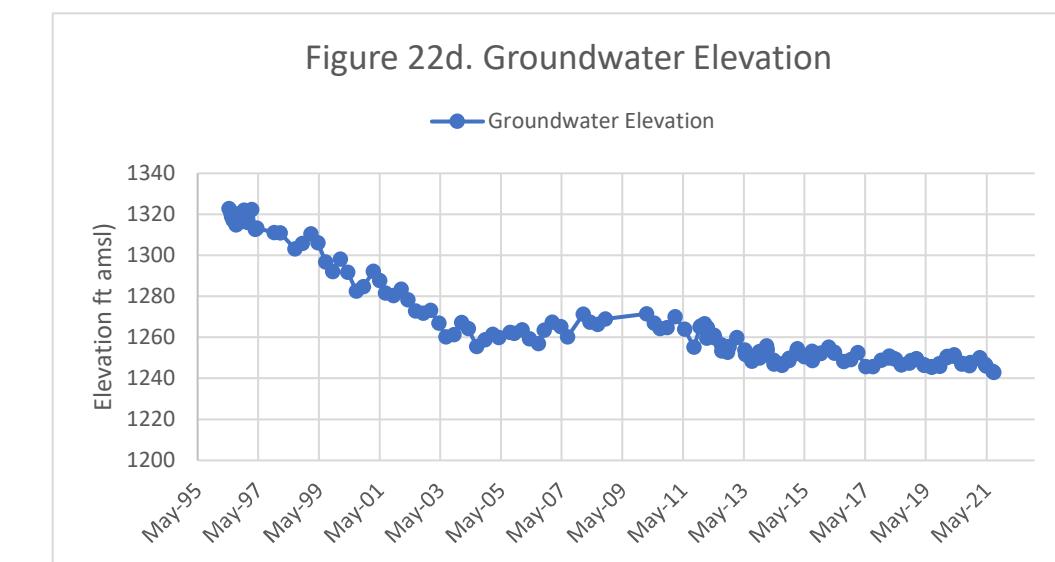
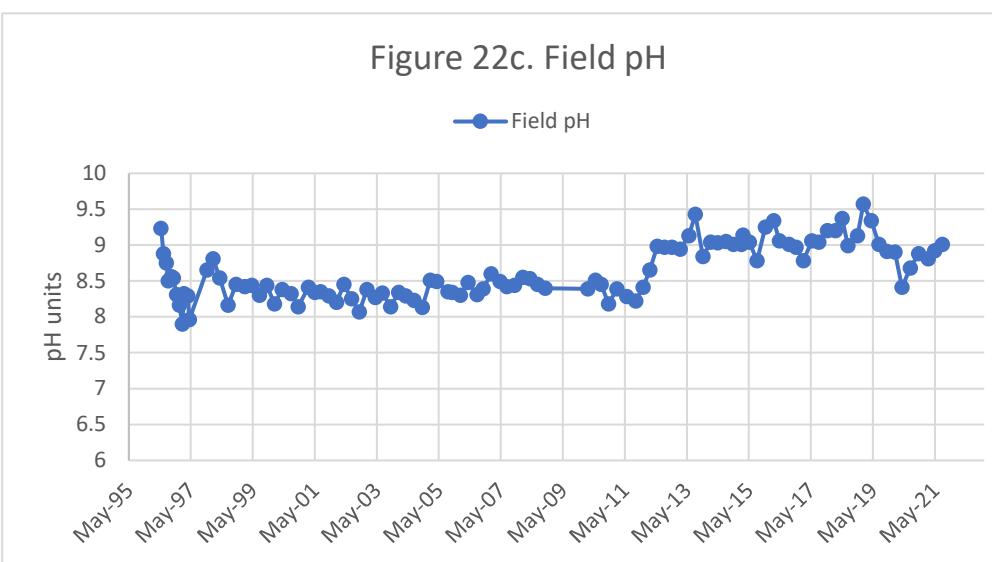
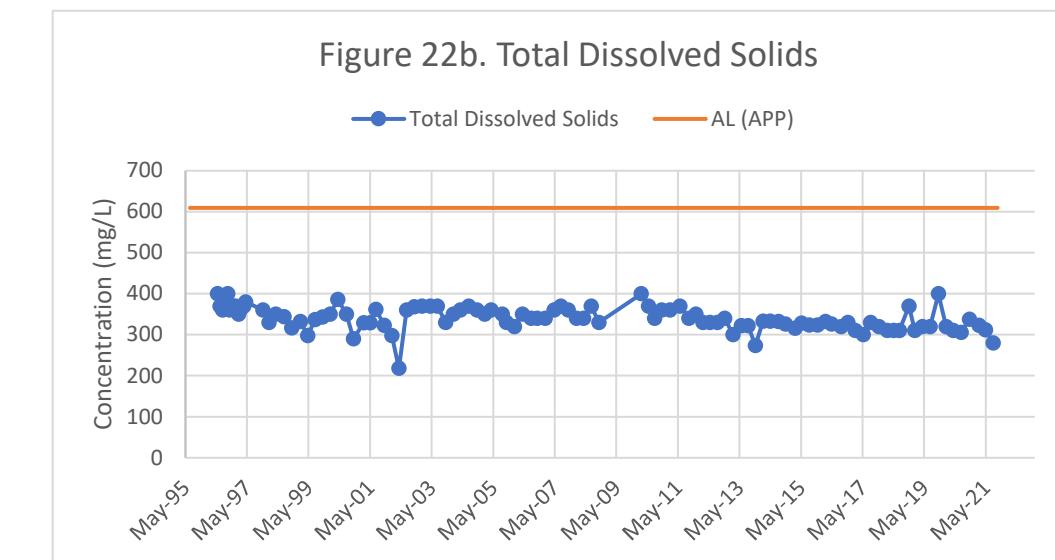
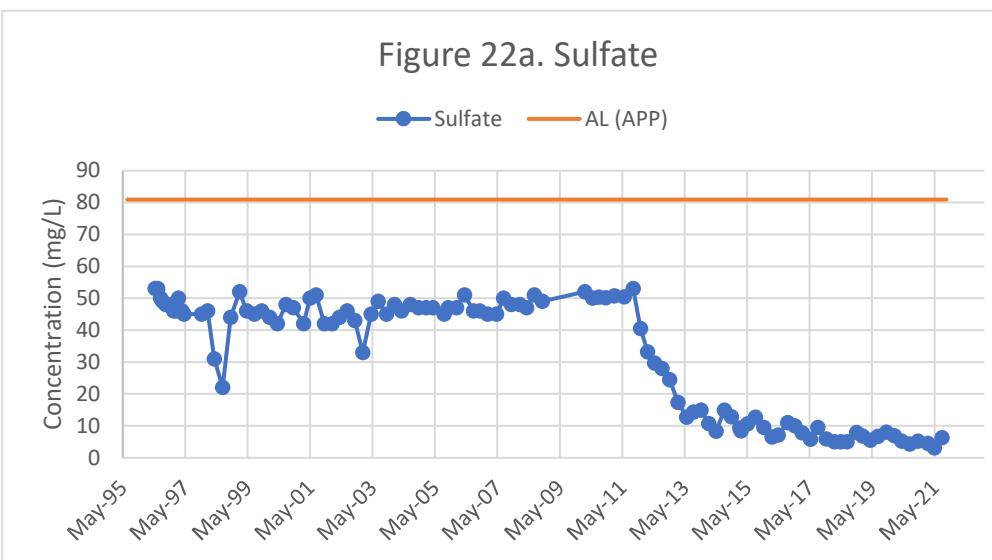


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M28-LBF QUARTERLY CONCENTRATION GRAPHS

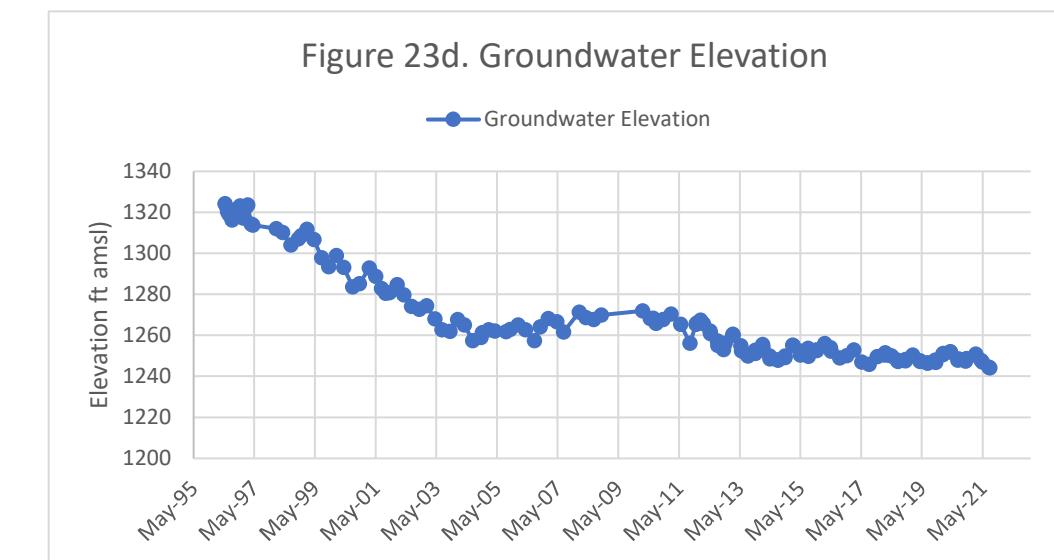
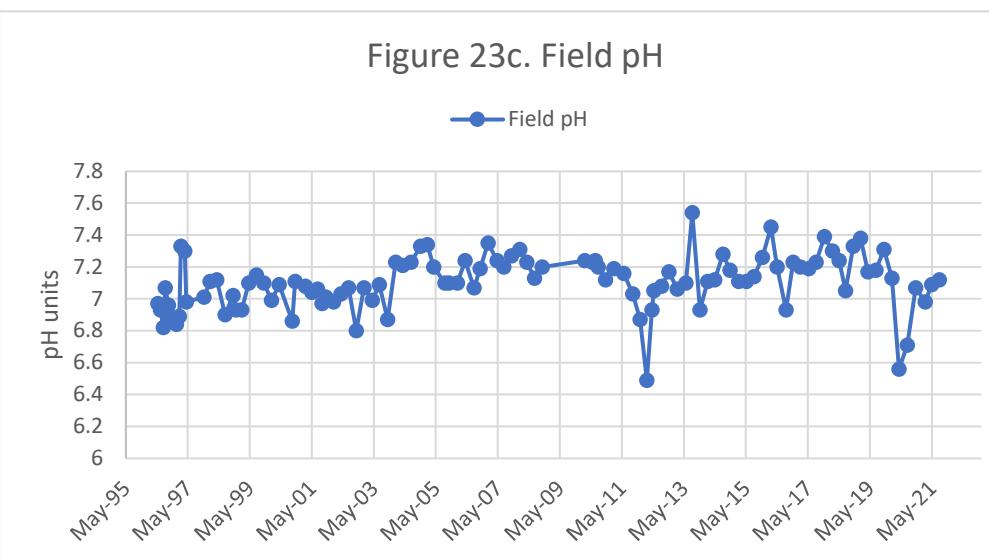
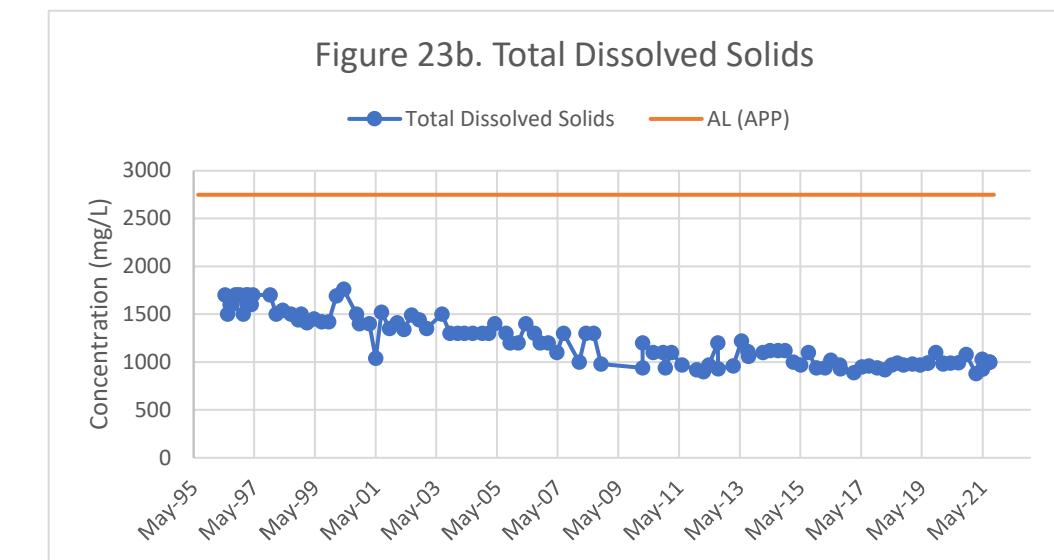
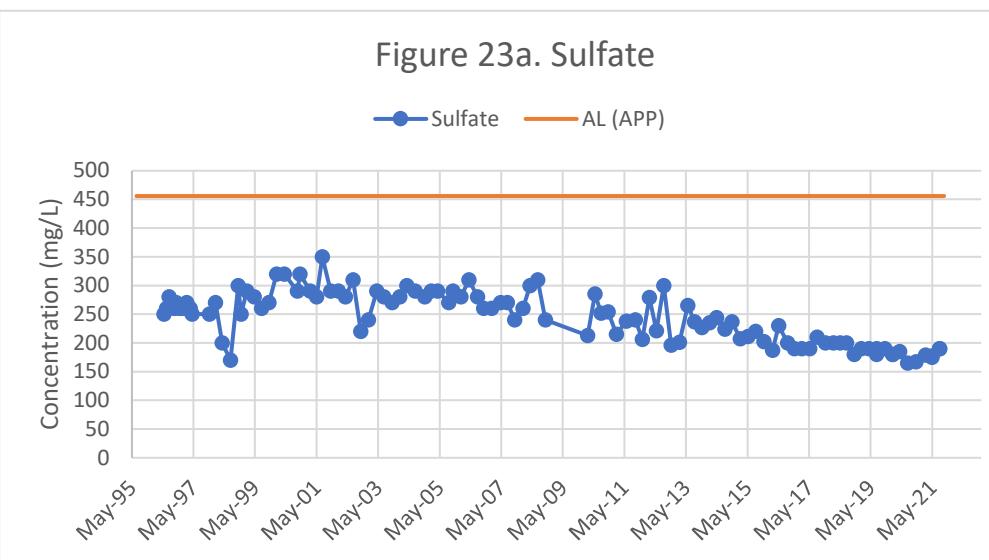


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M29-UBF QUARTERLY CONCENTRATION GRAPHS



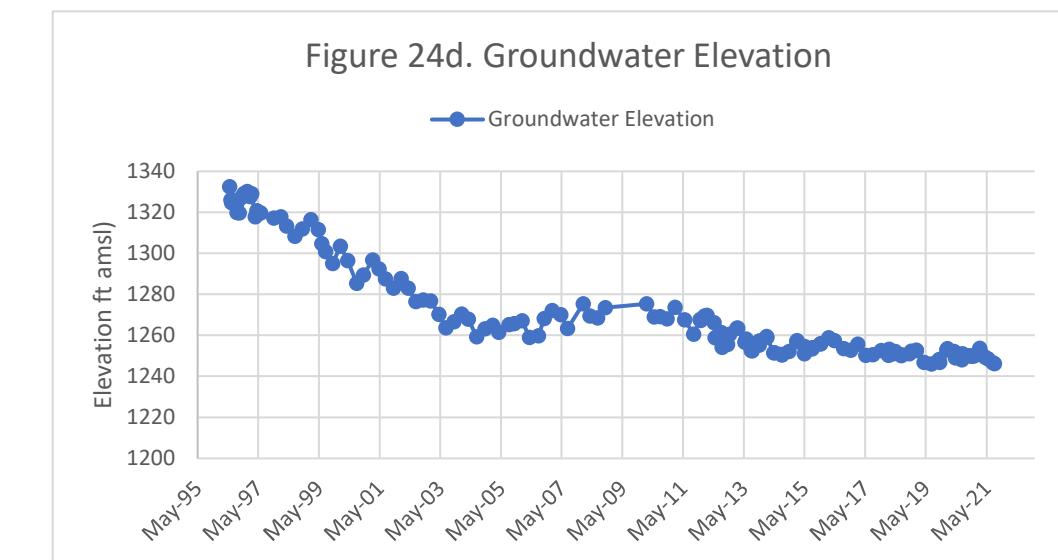
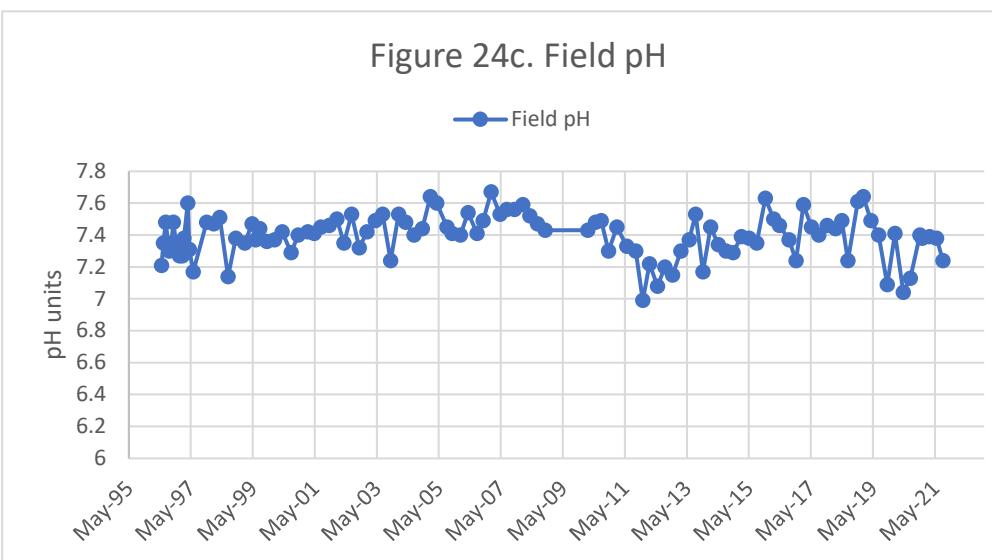
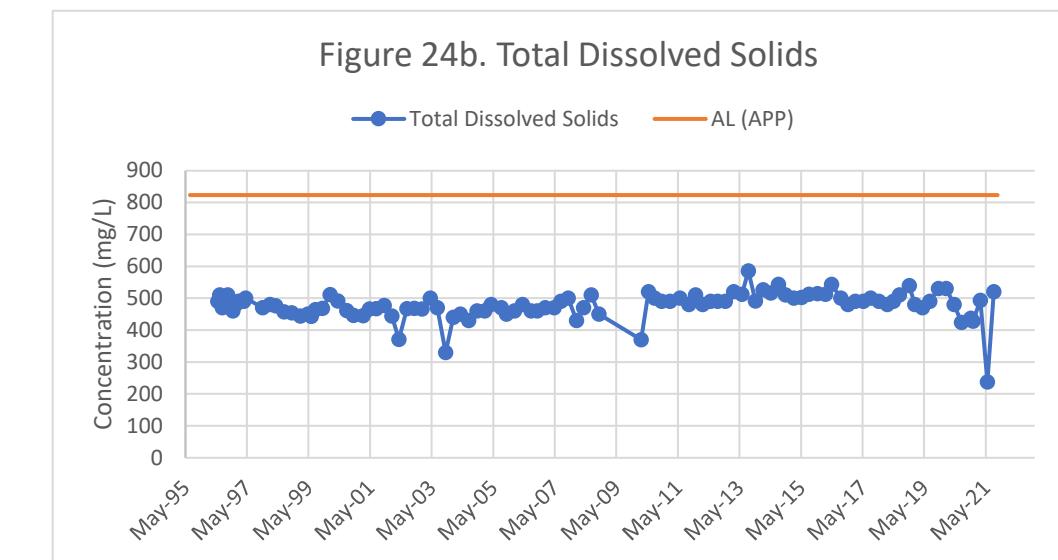
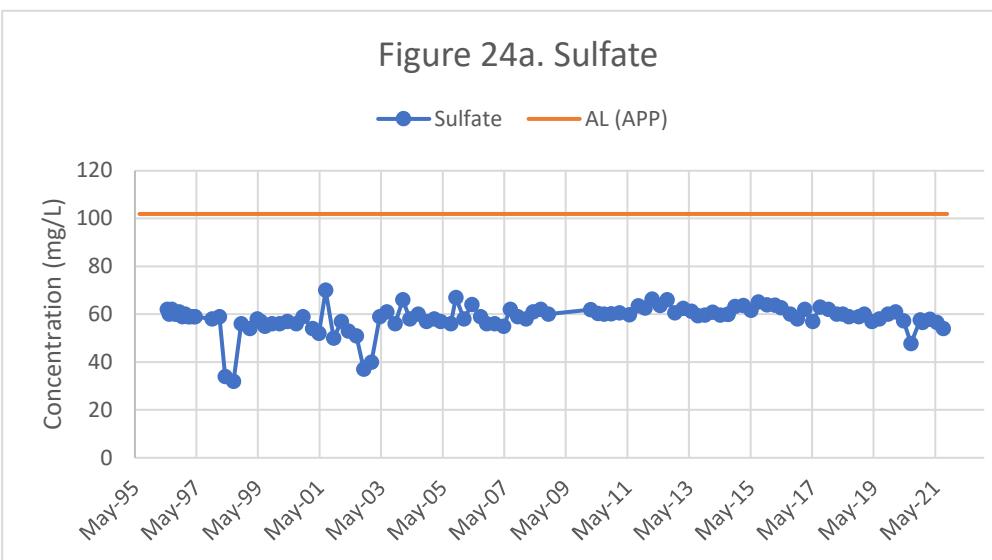
Notes:

Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M30-O QUARTERLY CONCENTRATION GRAPHS

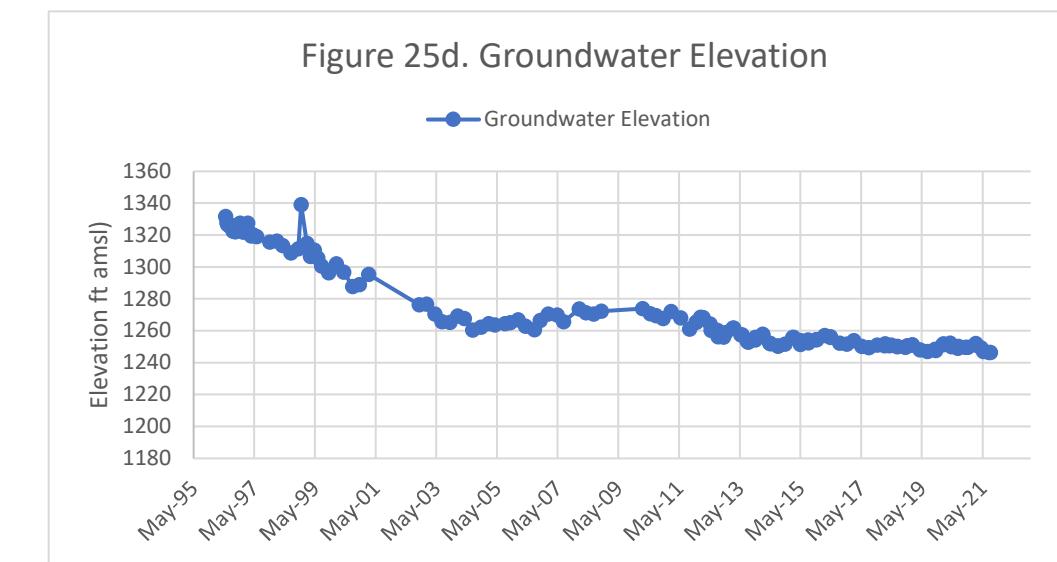
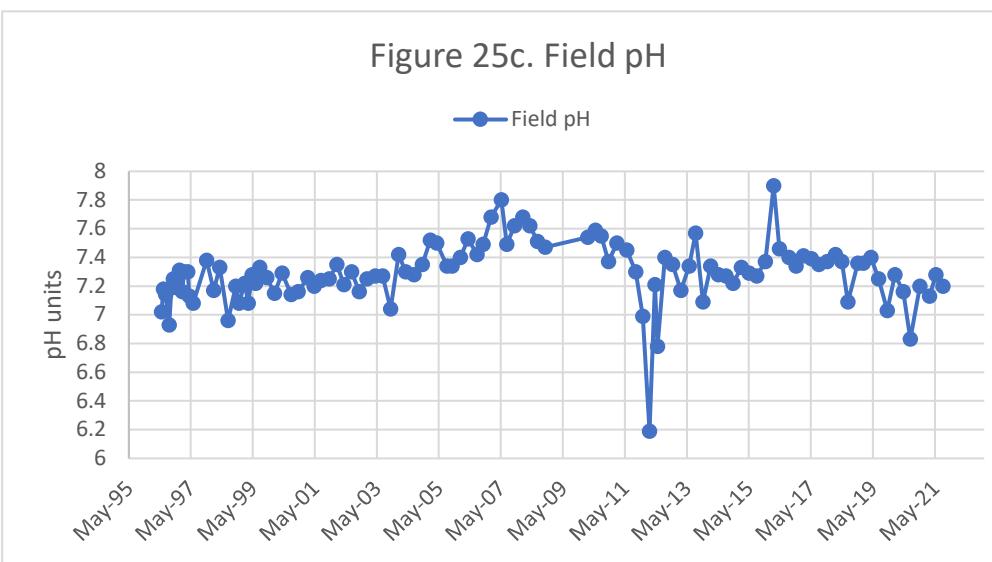
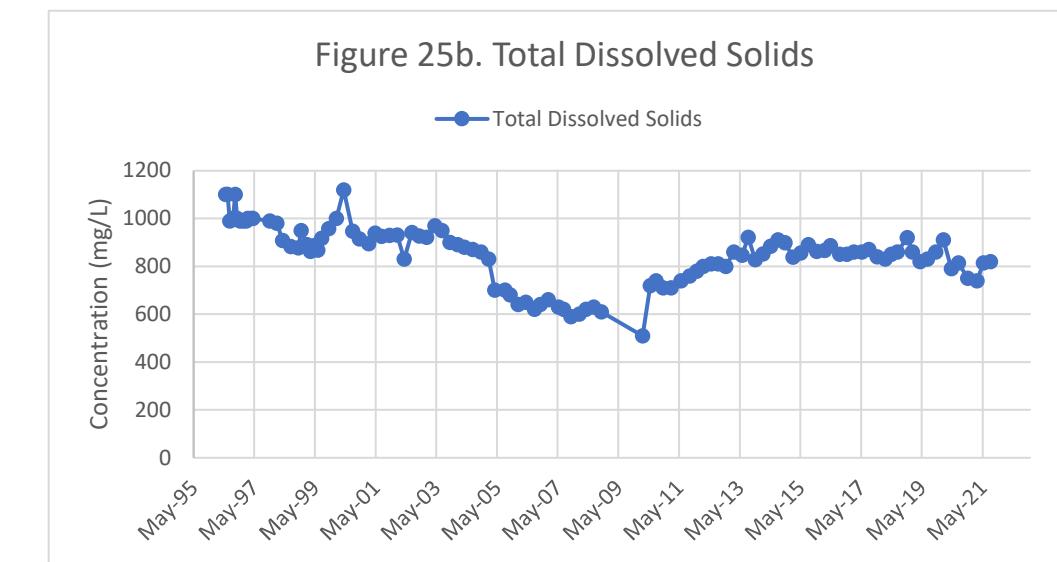
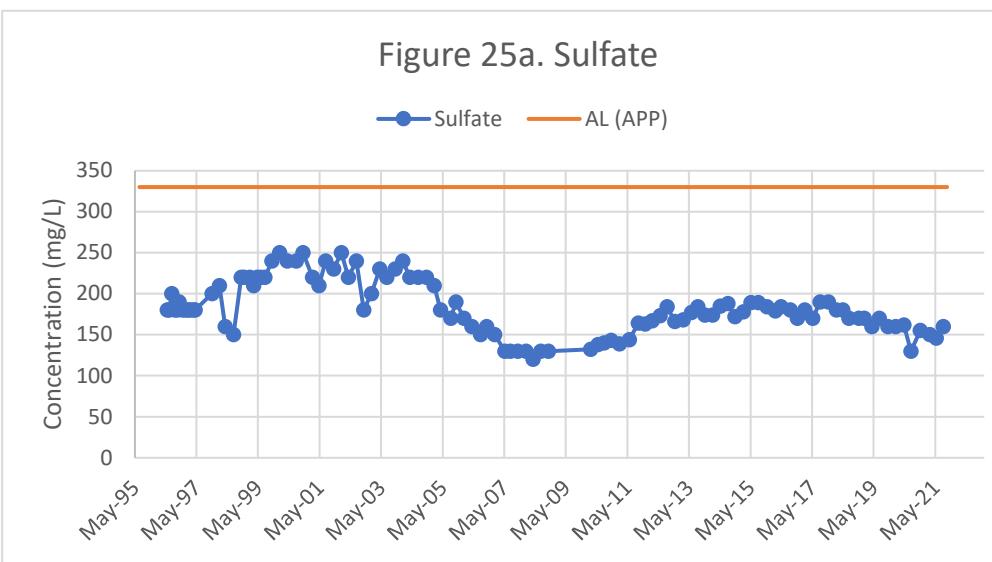


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M31-LBF QUARTERLY CONCENTRATION GRAPHS



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M32-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 26a. Sulfate

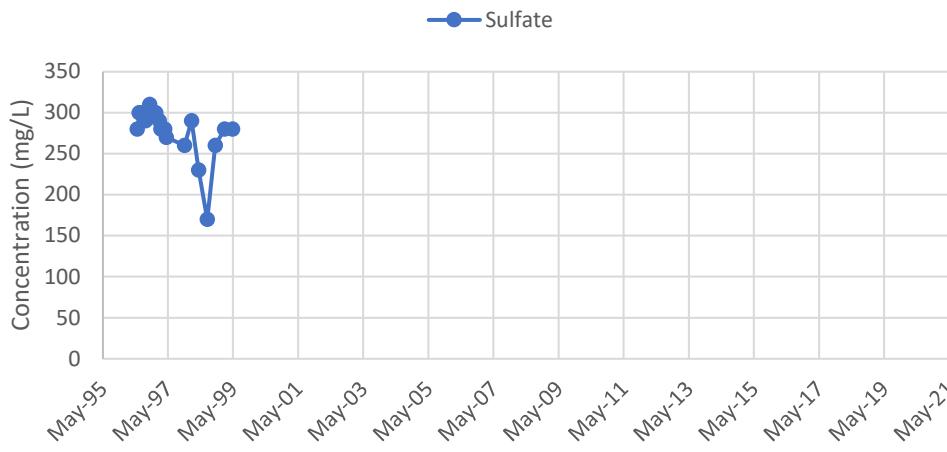


Figure 26b. Total Dissolved Solids

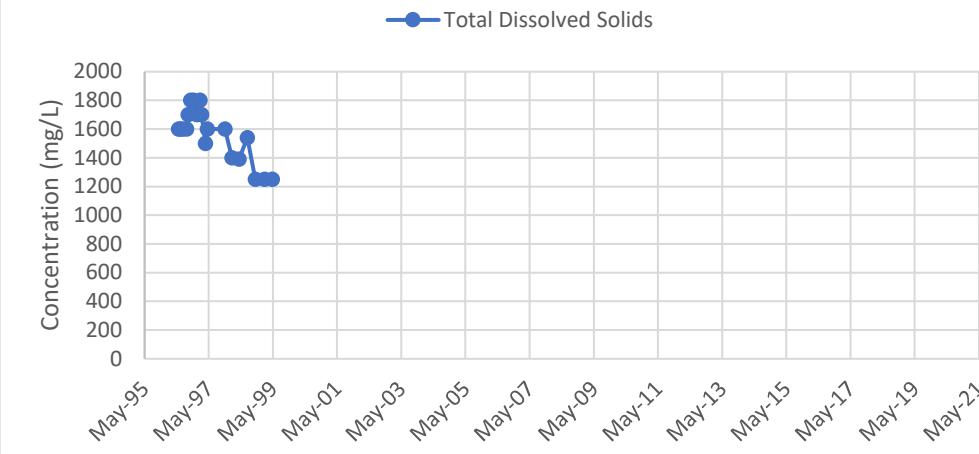


Figure 26c. Field pH

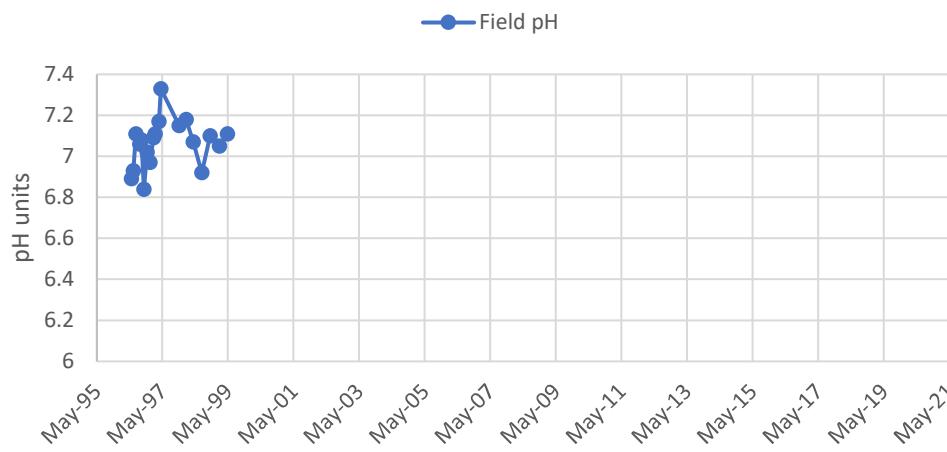
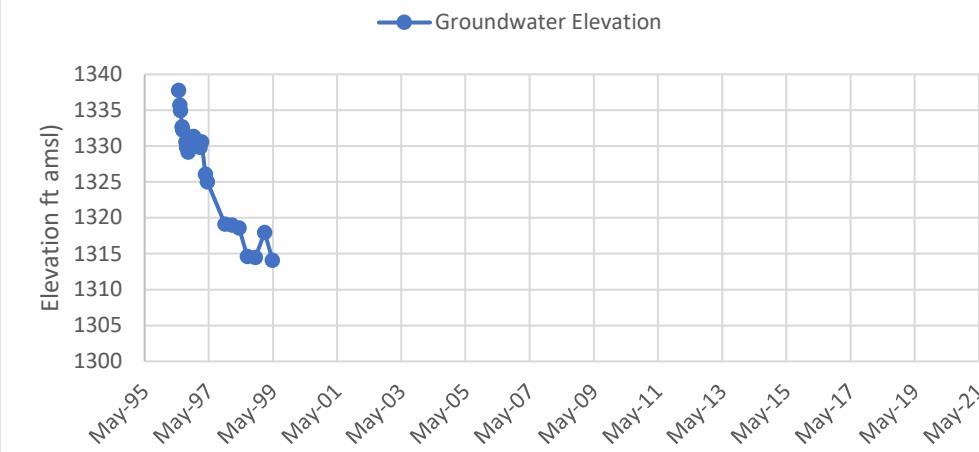


Figure 26d. Groundwater Elevation



Notes:

M32-UBF has been historically dry

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M33-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 27a. Sulfate

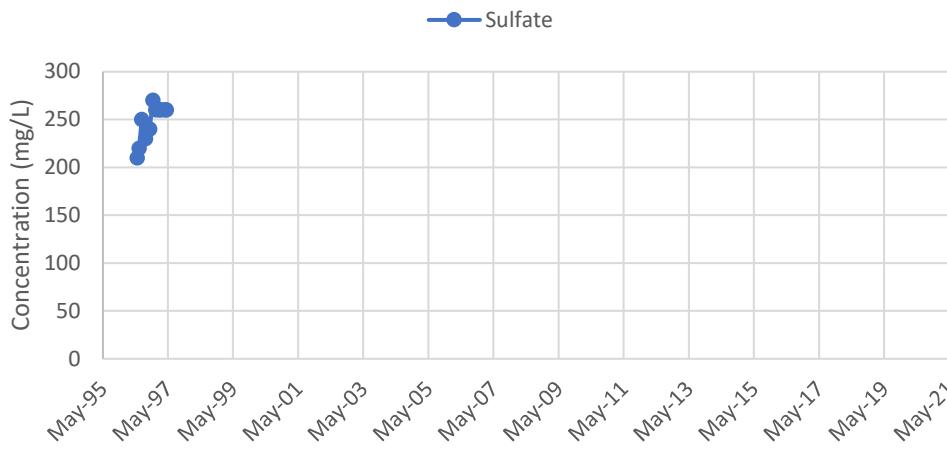


Figure 27b. Total Dissolved Solids

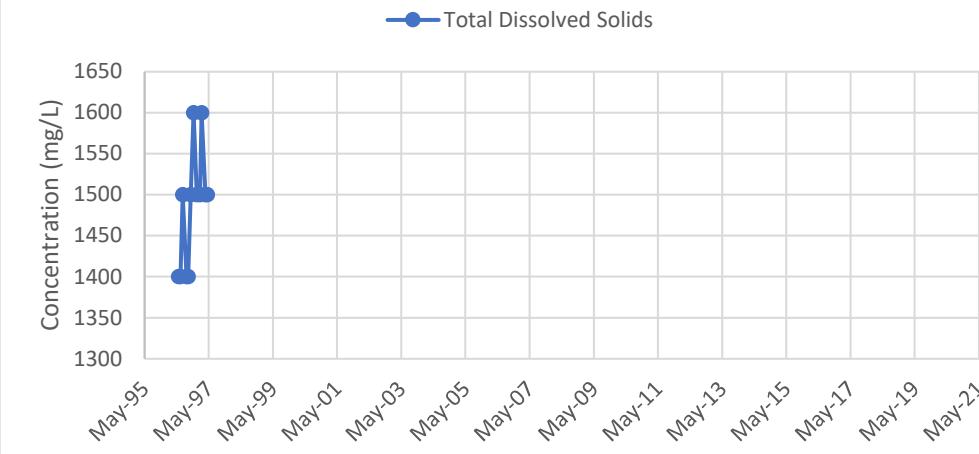


Figure 27c. Field pH

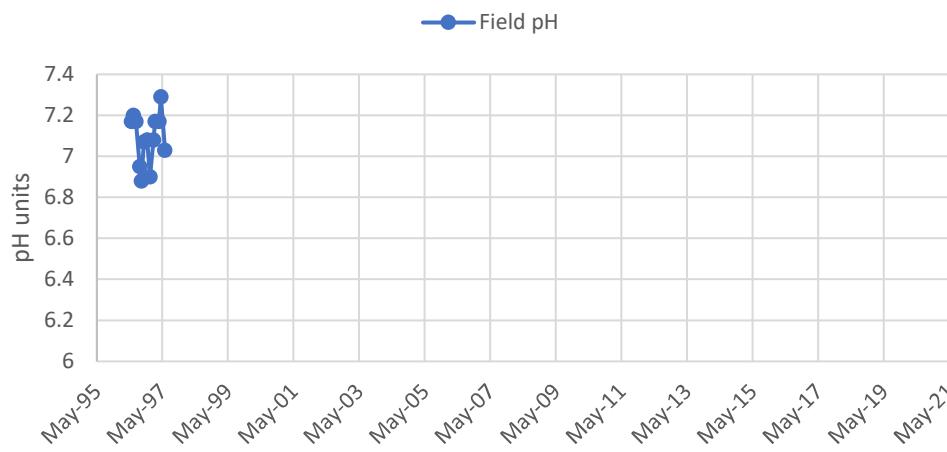
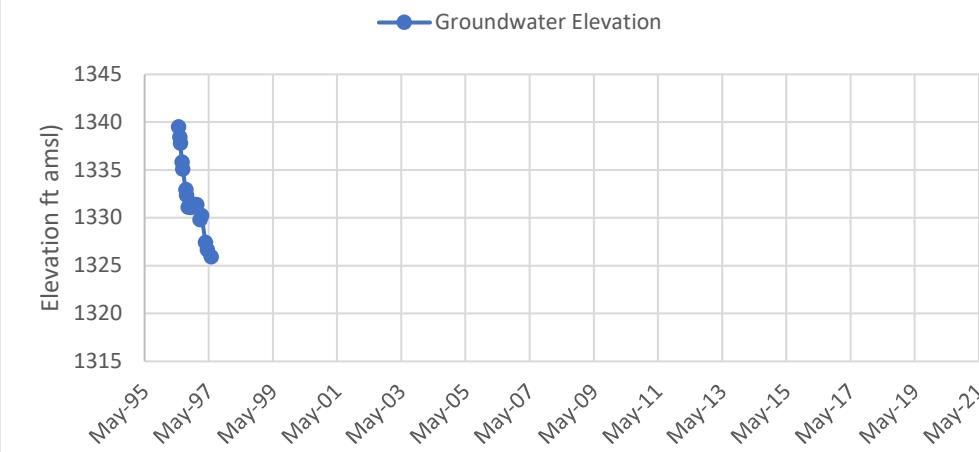


Figure 27d. Groundwater Elevation



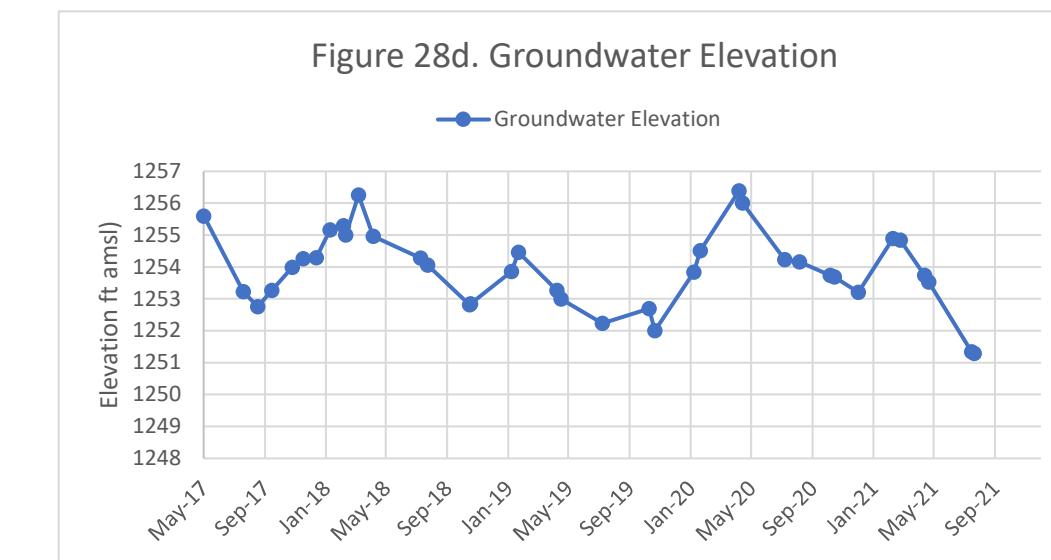
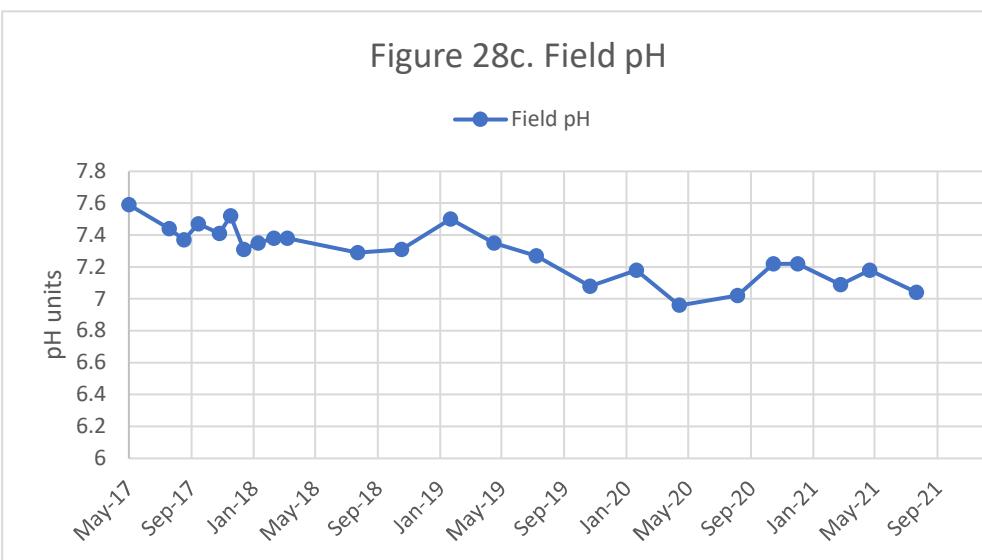
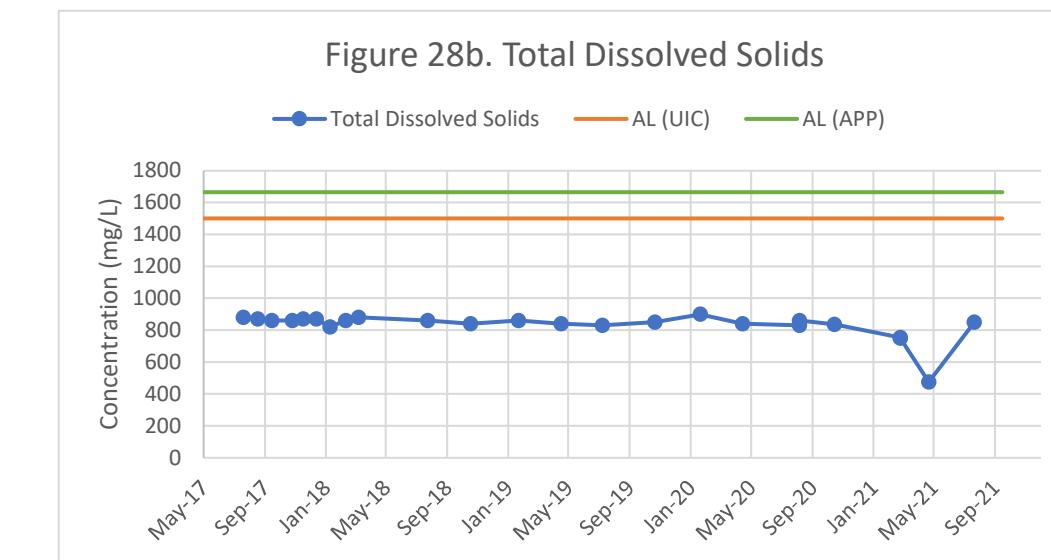
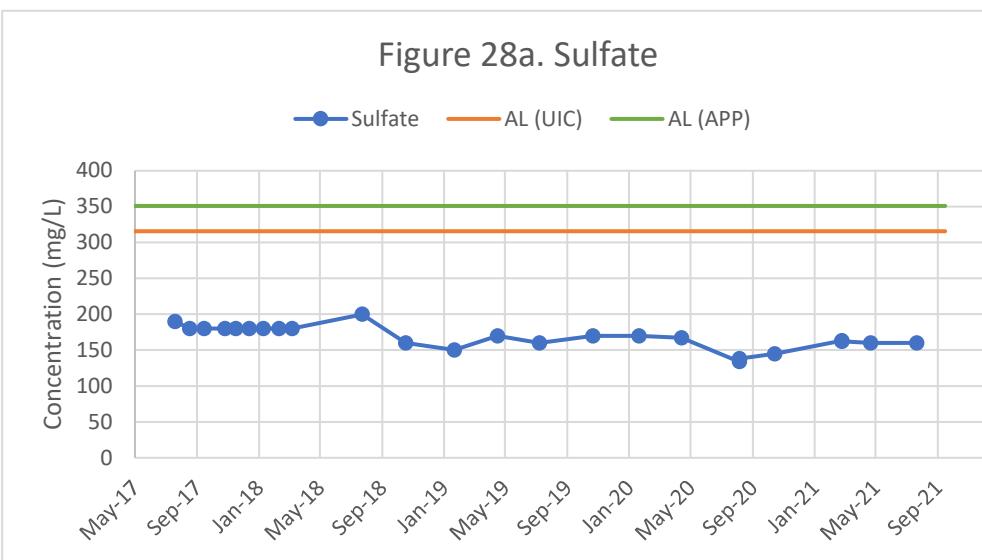
Notes:

M32-UBF has been historically dry

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M52-UBF QUARTERLY CONCENTRATION GRAPHS



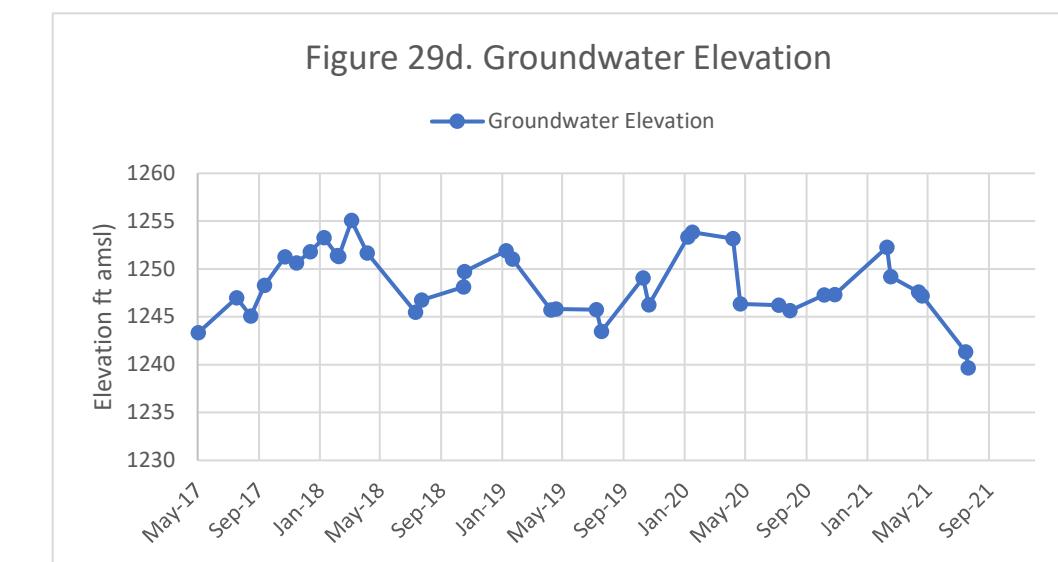
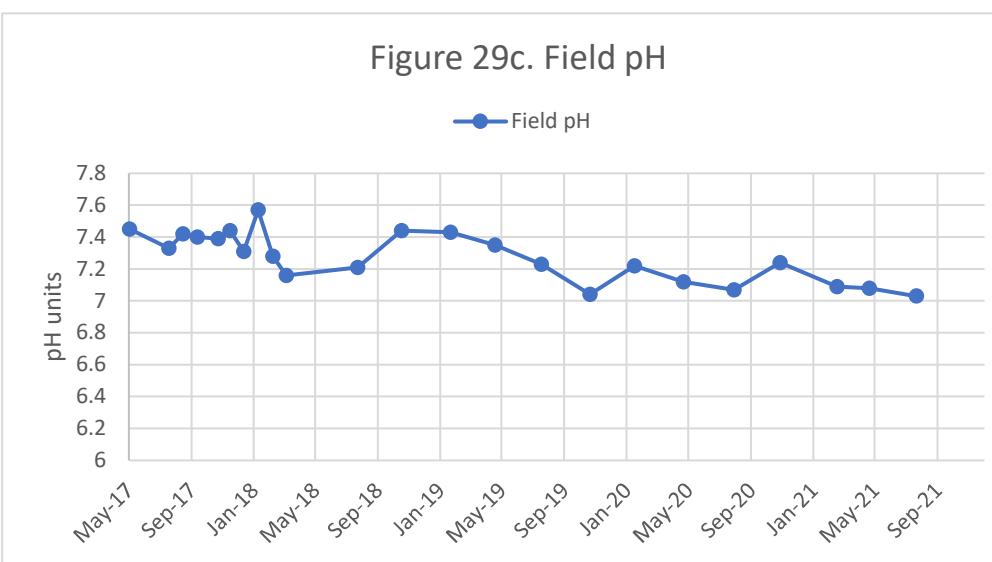
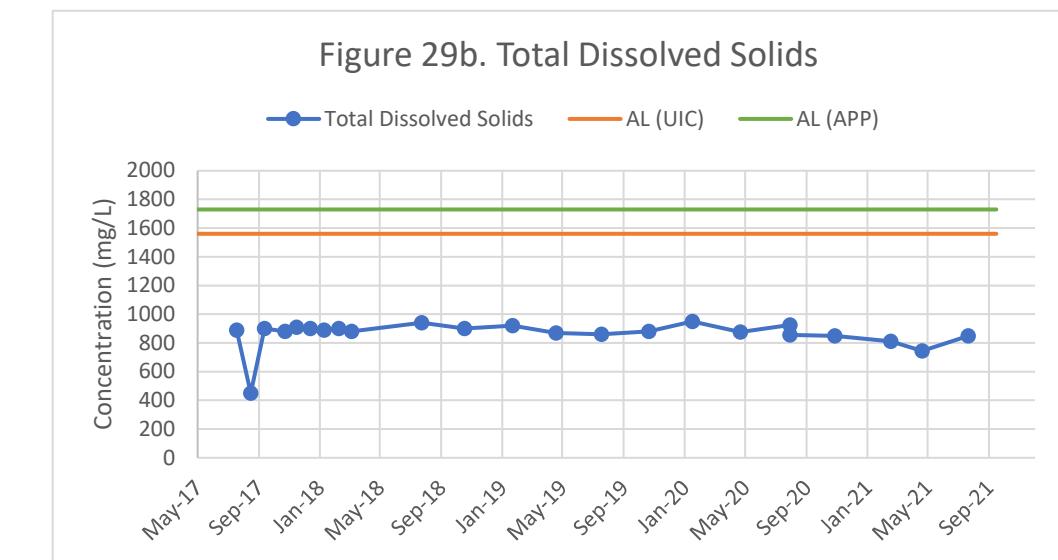
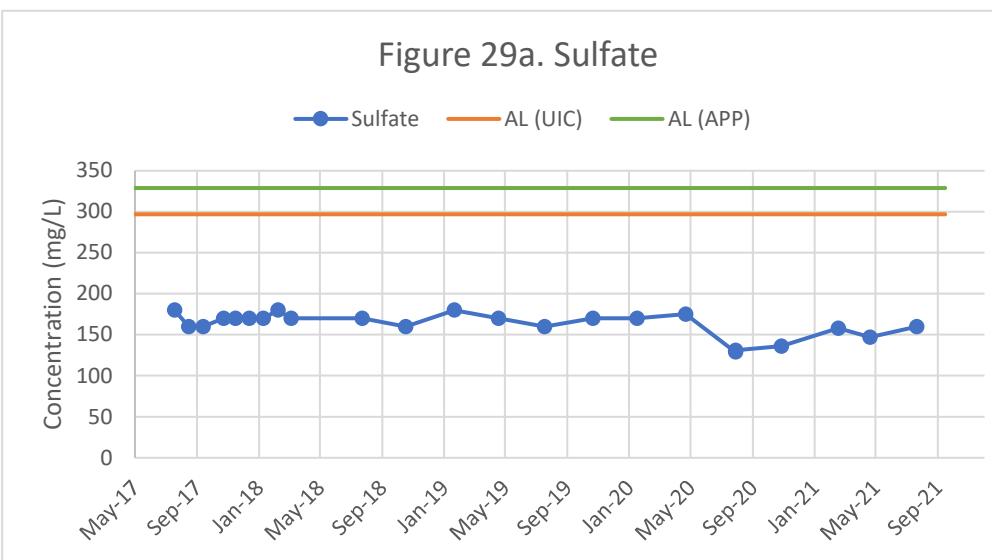
Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M54-LBF QUARTERLY CONCENTRATION GRAPHS



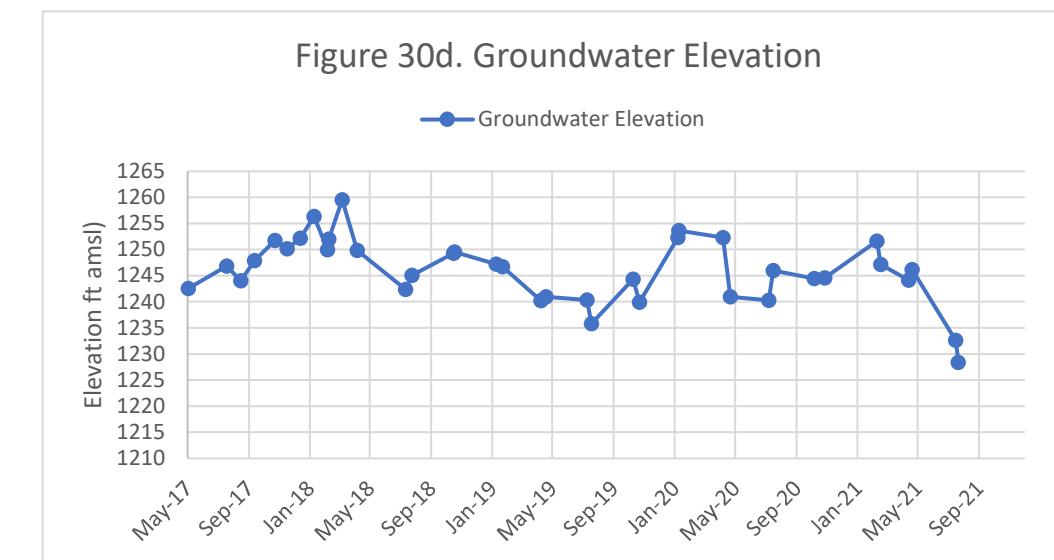
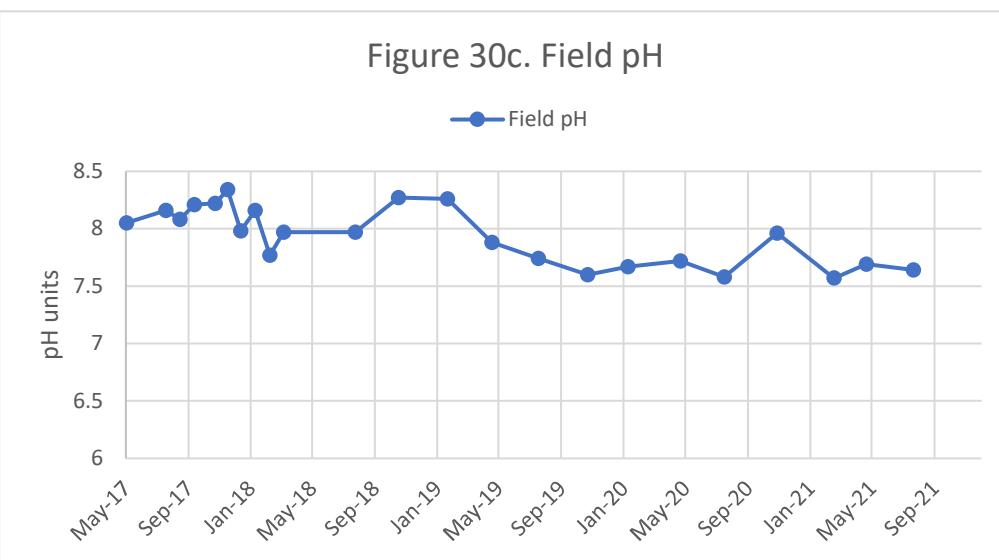
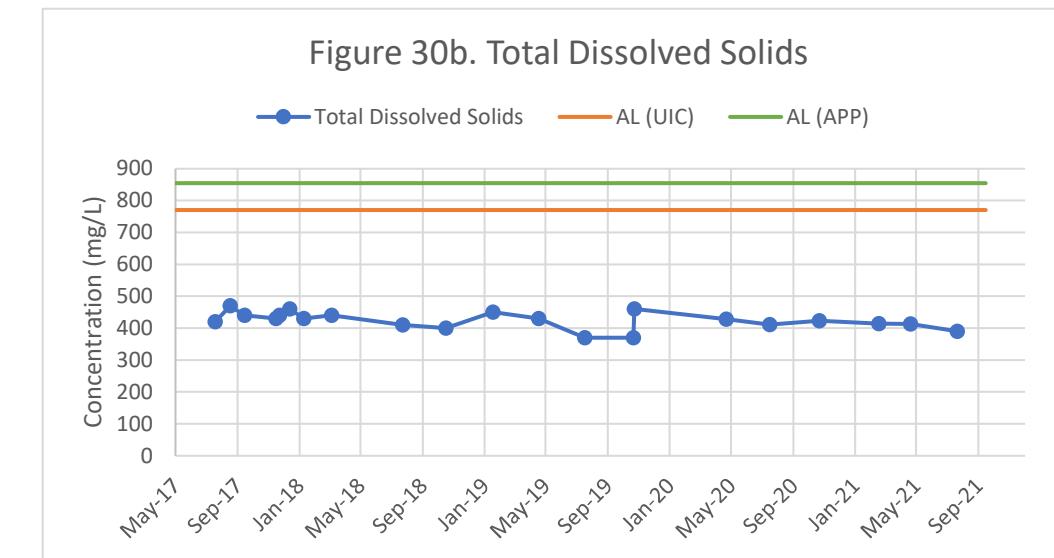
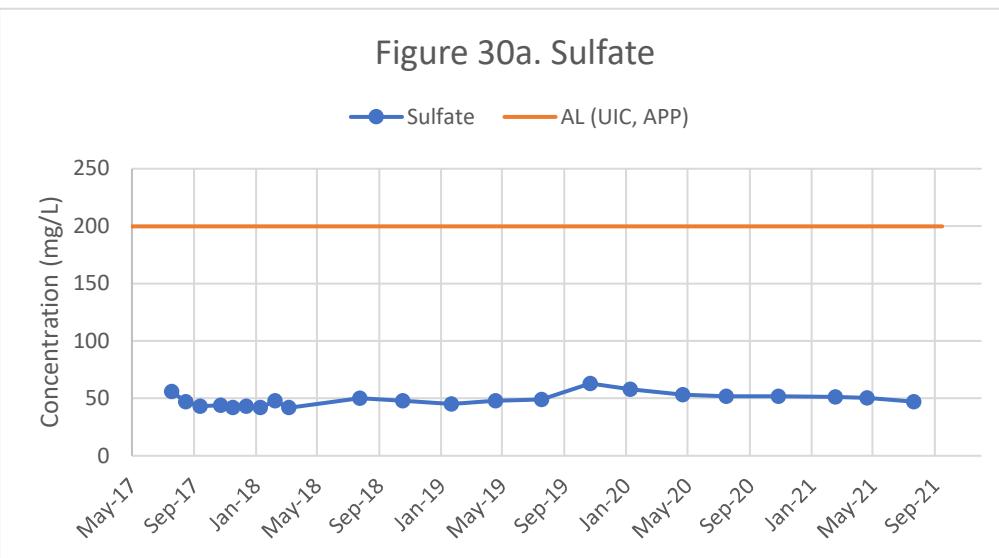
Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M54-O QUARTERLY CONCENTRATION GRAPHS



Notes:

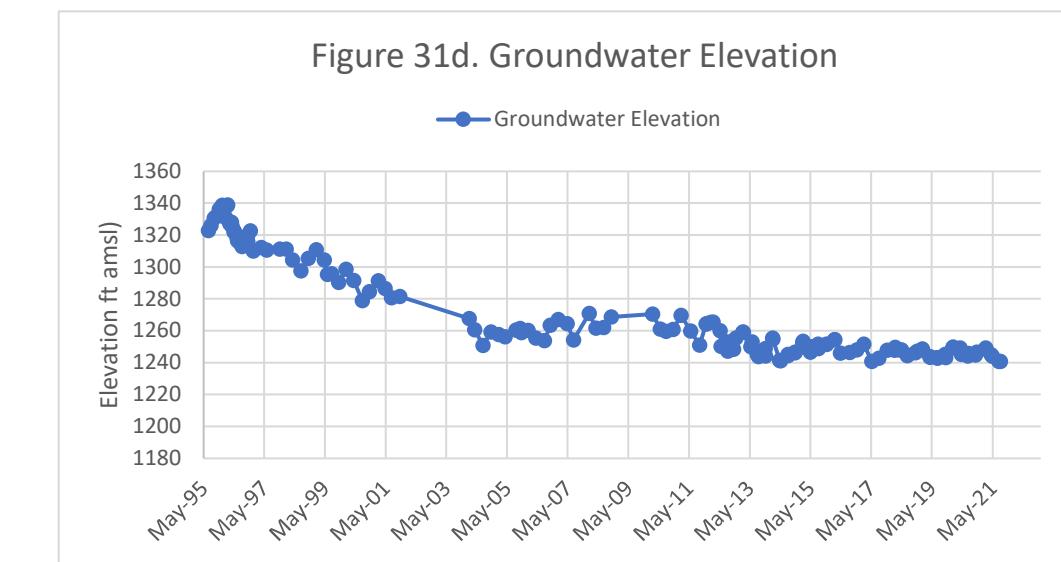
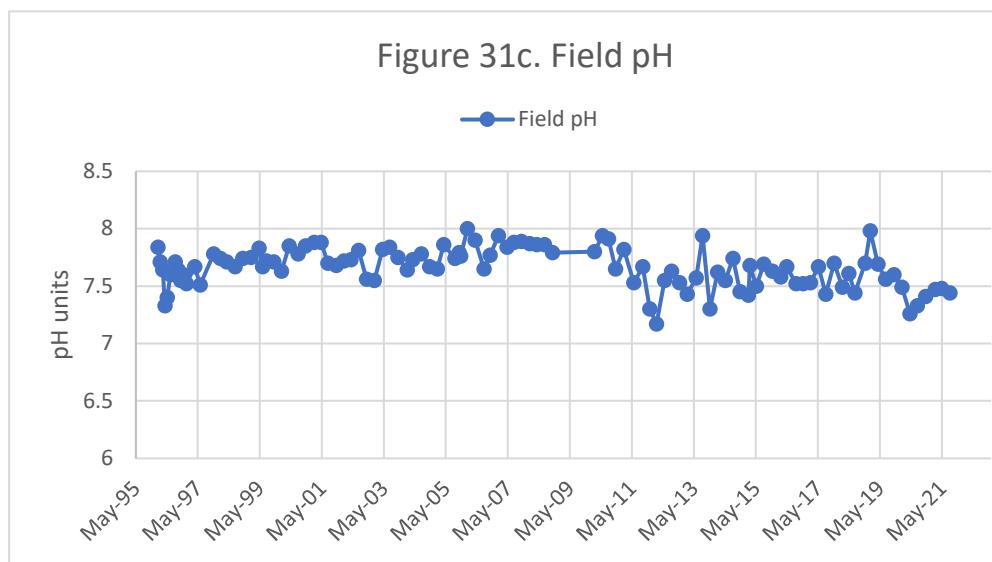
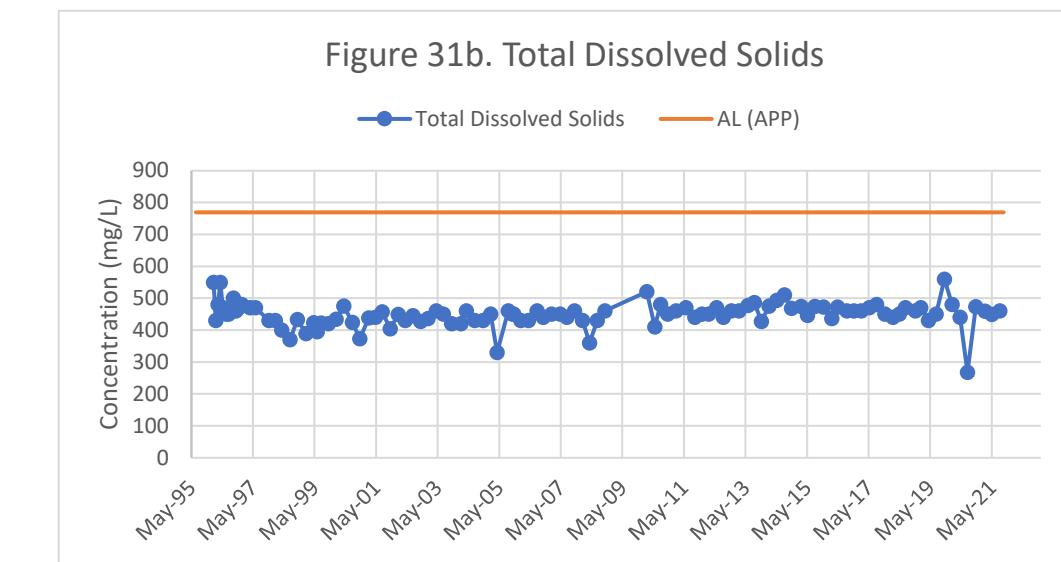
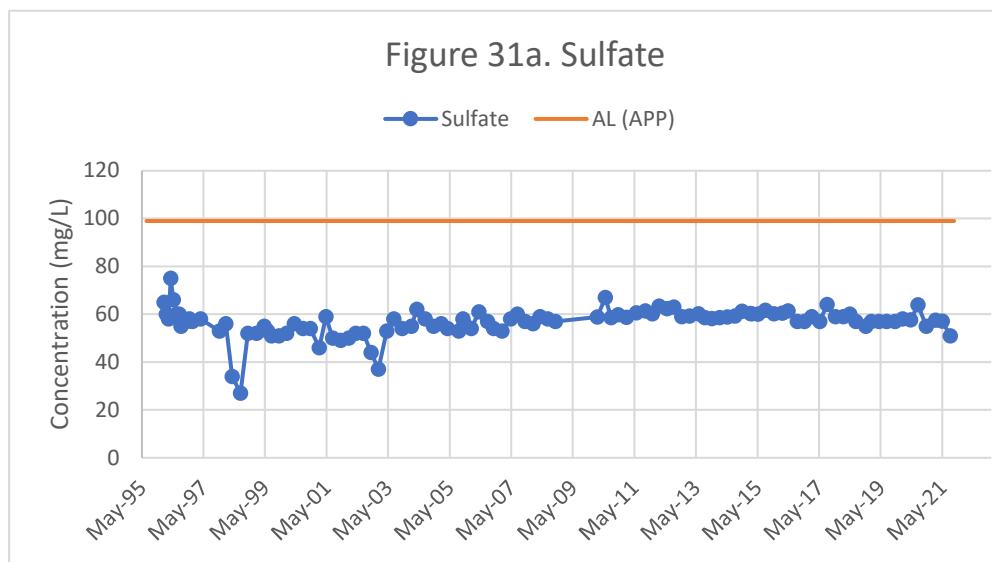
Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

O19-GL QUARTERLY CONCENTRATION GRAPHS



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

O49-GL(R) QUARTERLY CONCENTRATION GRAPHS

Figure 32a. Sulfate

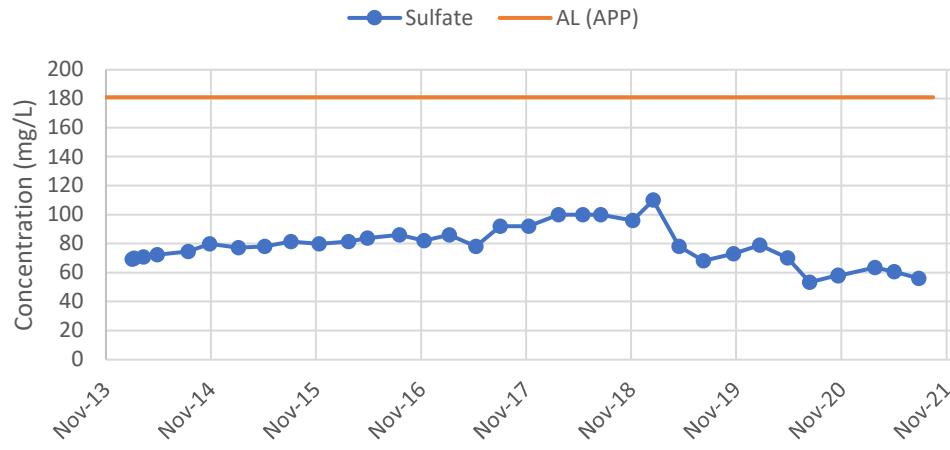


Figure 32b. Total Dissolved Solids

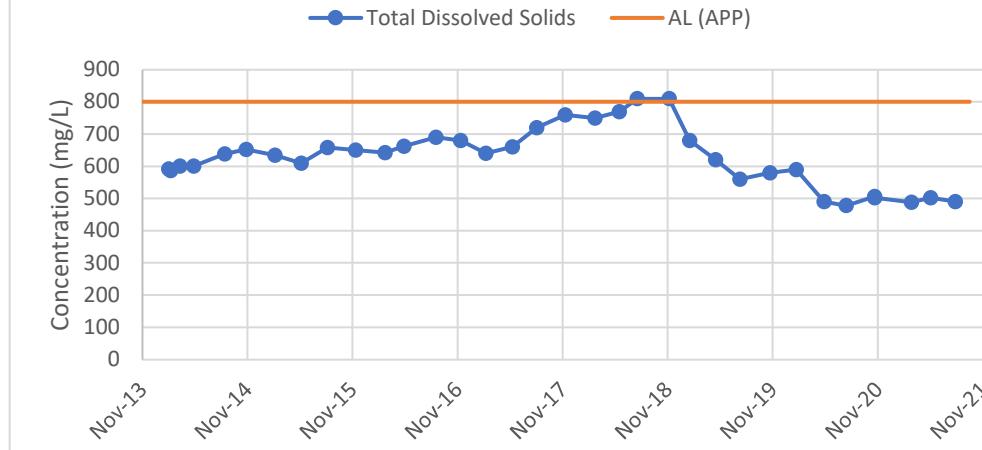


Figure 32c. Field pH

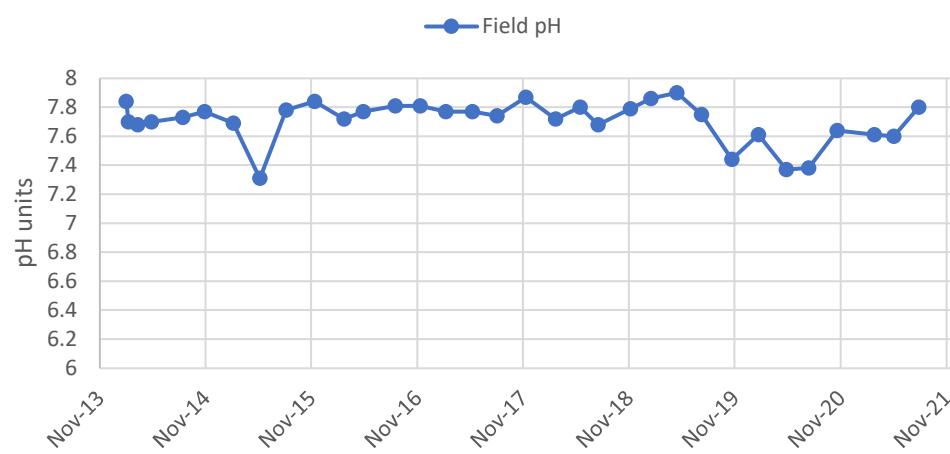
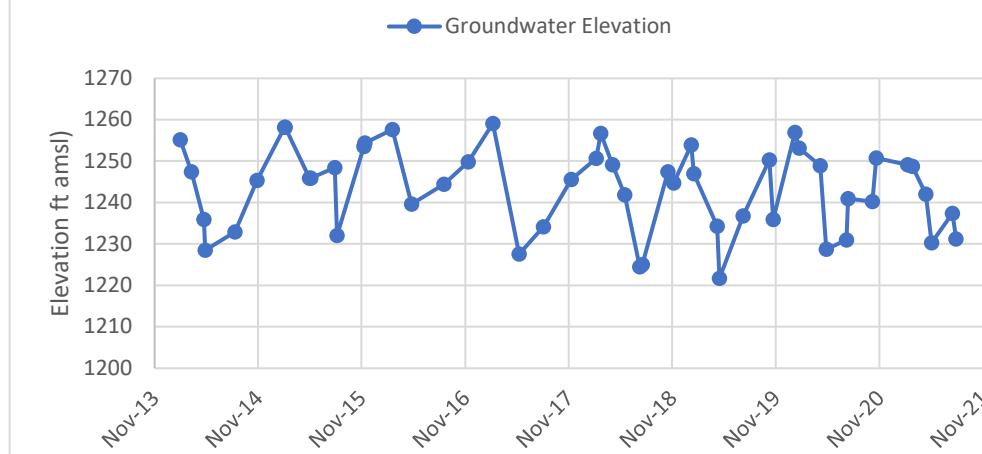


Figure 32d. Groundwater Elevation

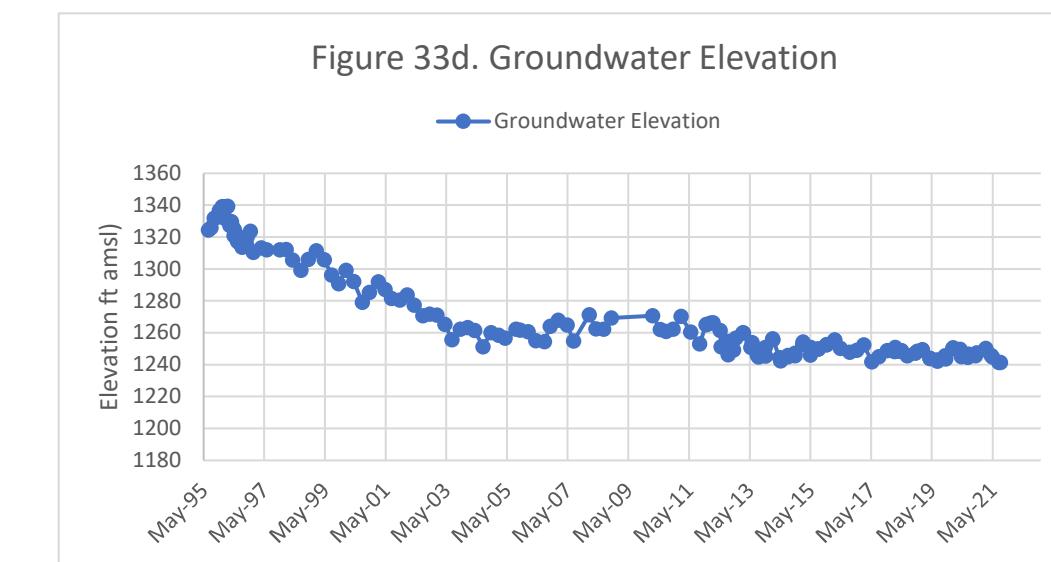
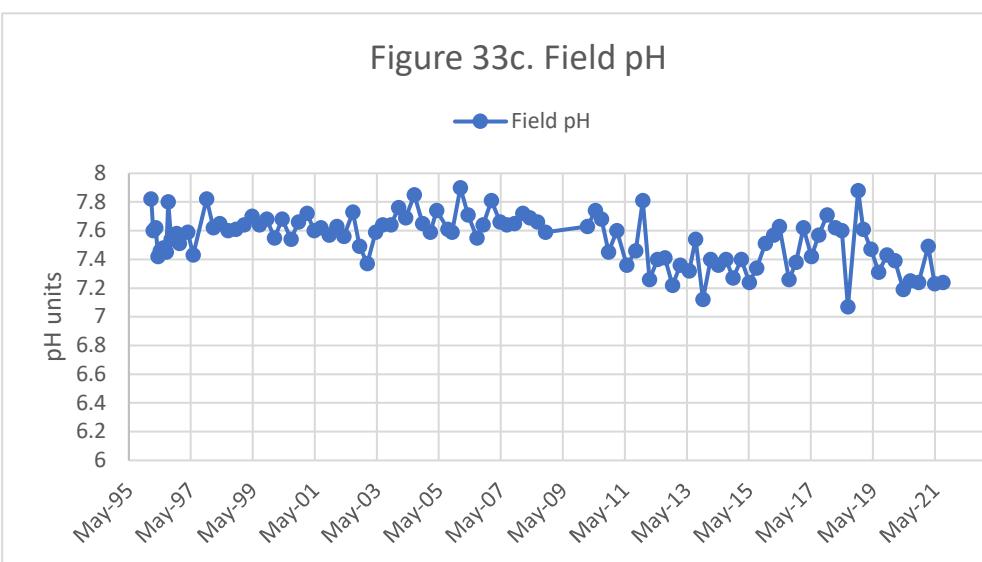
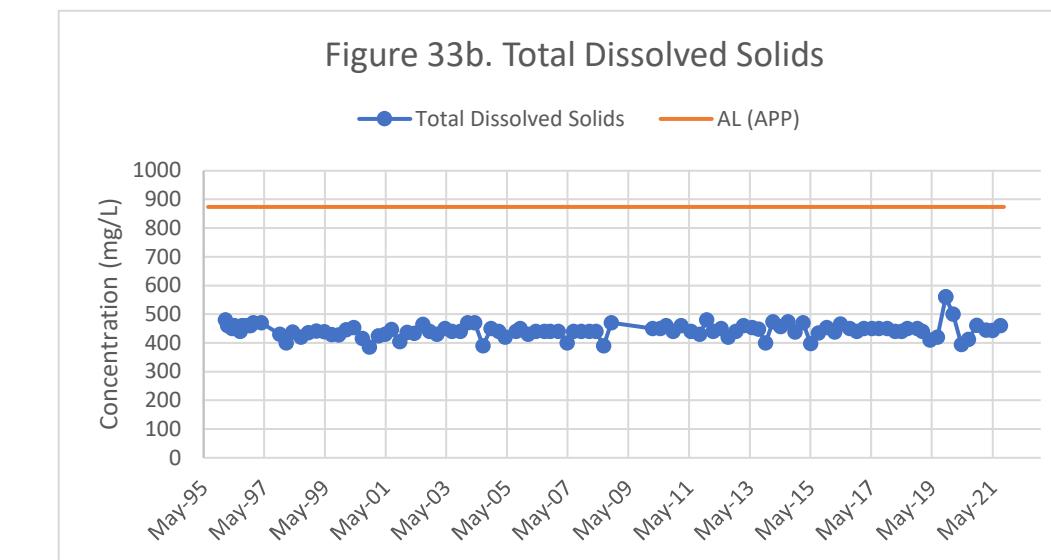
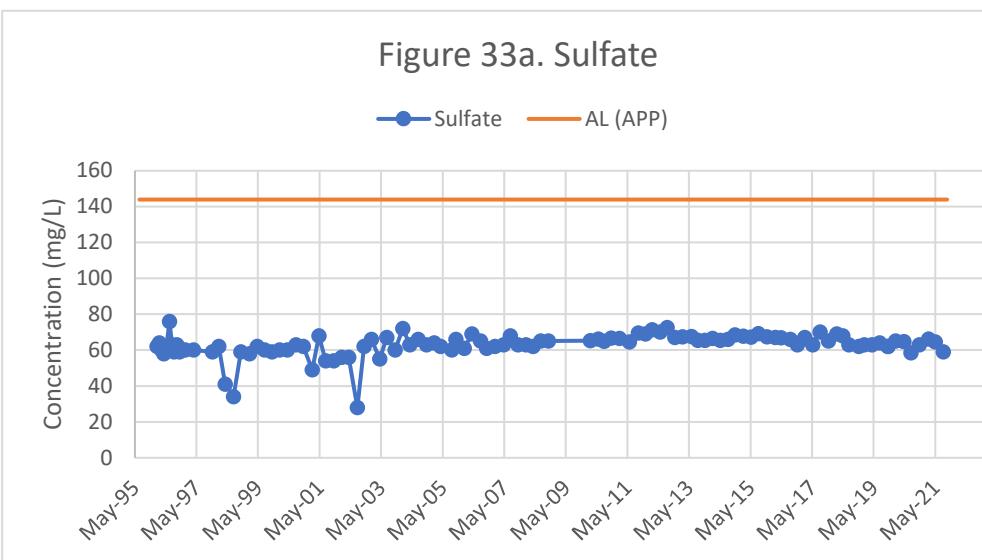


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

P19-1-O QUARTERLY CONCENTRATION GRAPHS

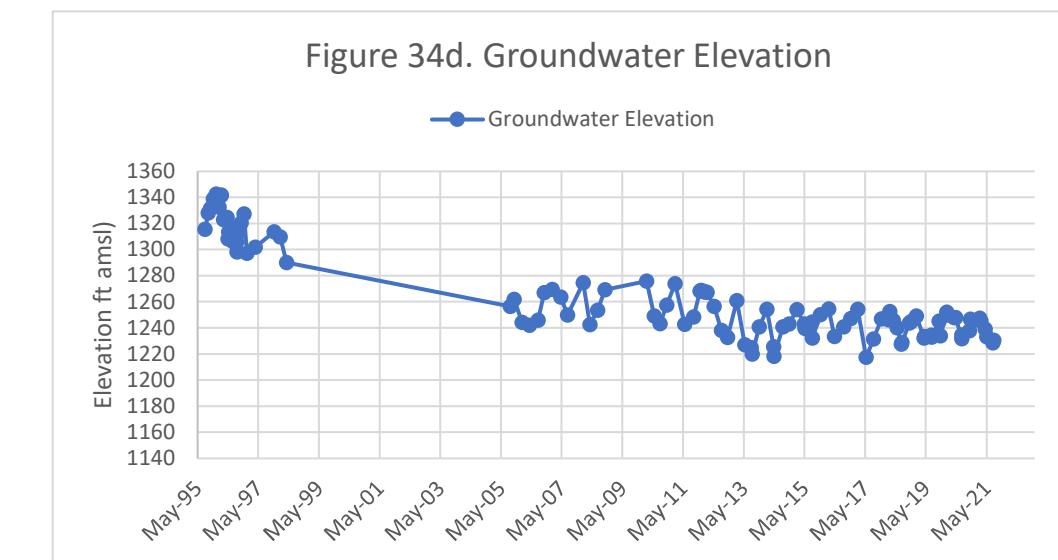
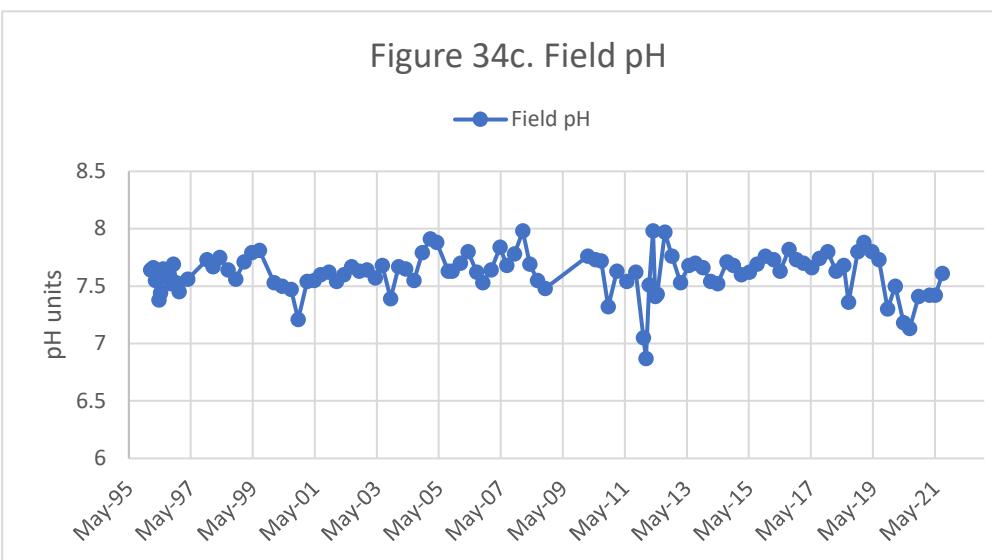
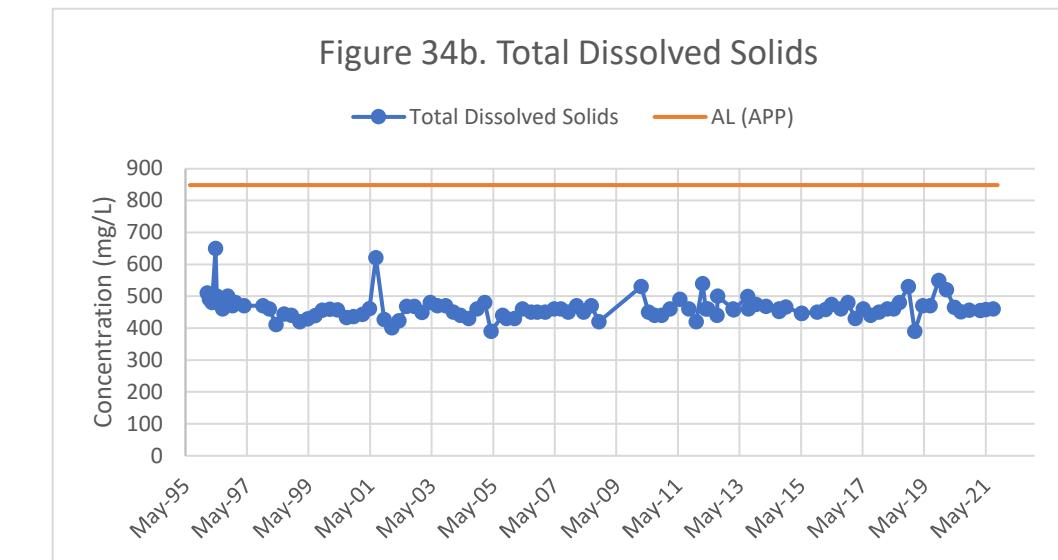
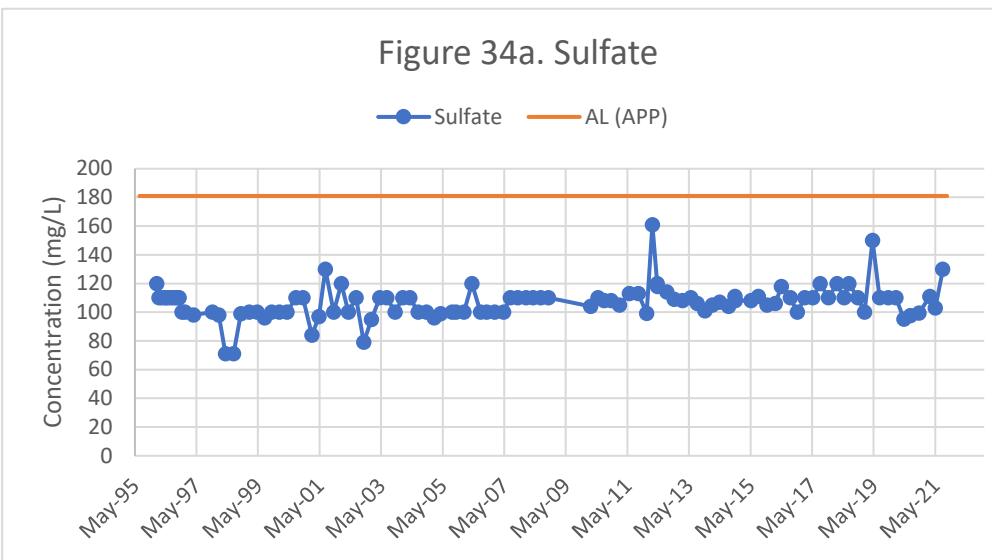


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

P49-O QUARTERLY CONCENTRATION GRAPHS



Notes:

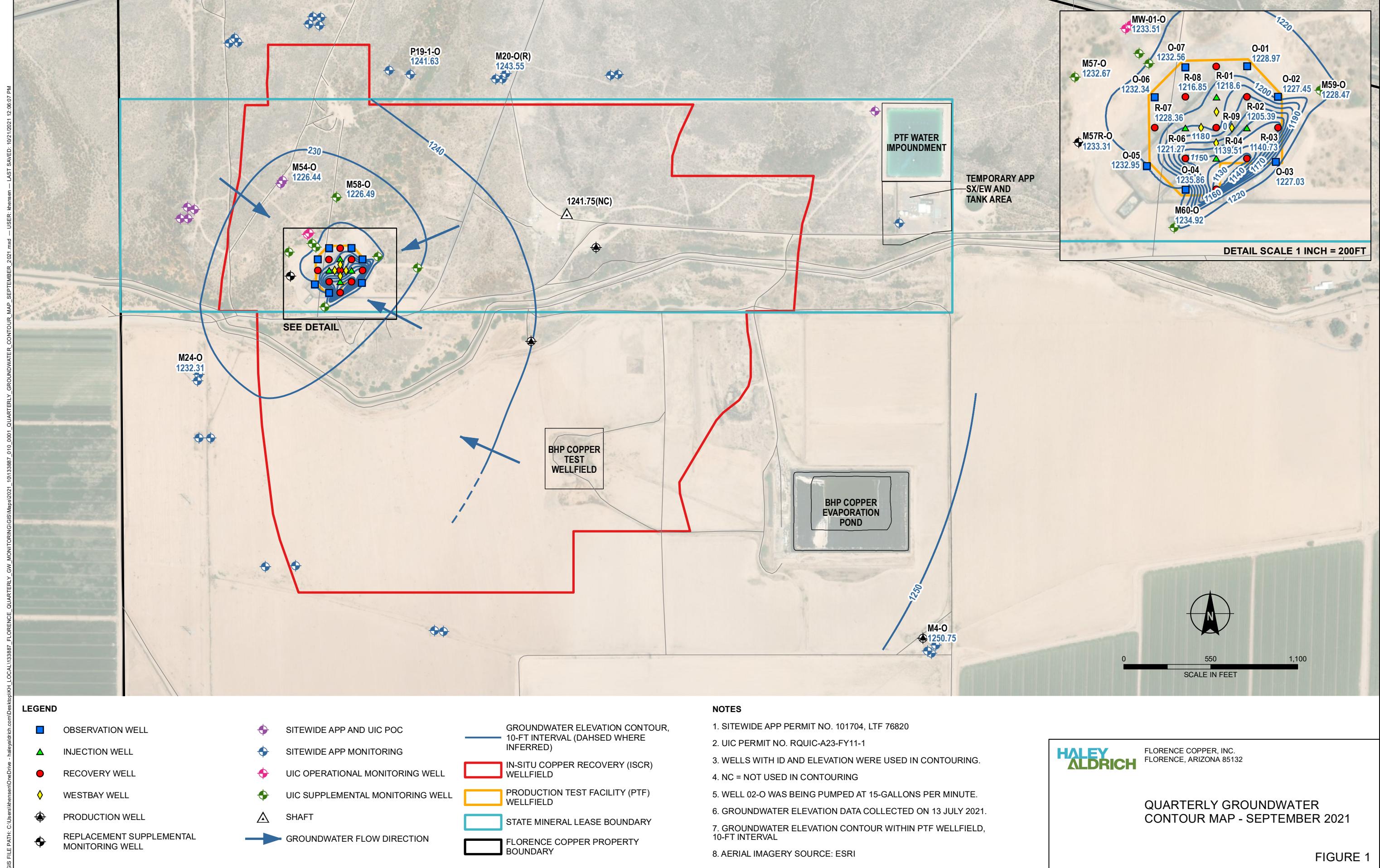
Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

ATTACHMENT 8

Quarterly Groundwater Elevation Contour Map



ATTACHMENT 9

Table of Wells in the Discharge Impact Area

Q3 2021 MONITORING WELLS WITHIN

THE DISCHARGE IMPACT AREA

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. Monitoring Wells Within the Discharge Impact Area

Well ID	Latitude	Longitude	Well Depth (feet)
M54-LBF	33°03'7.07"N	111°26'9.29"W	629
M54-O	33°03'6.91"N	111°26'9.22"W	1199
M55-UBF	33°03'1.99"N	111°26'6.18"W	261
M56-LBF	33°03'2.21"N	111°26'6.44"W	340
M57-O	33°03'1.88"N	111°26'8.39"W	1200
M57R-O	33°03'0.31"N	111°26'8.16"W	1200
M58-O	33°03'5.20"N	111°26'4.94"W	1200
M59-O	33°03'1.58"N	111°26'2.25"W	1200
M60-O	33°02'58.70"N	111°26'5.78"W	1201
M61-LBF	33°03'0.85"N	111°25'58.92"W	630
MW-01-LBF	33°03'02.9442"N	111°26'07.1046"W	440
MW-01-O	33°03'03.045"N	111°26'06.9786"W	1200
P49-O	33°02'42"N	111°26'07"W	1242

**Q3 2021 WATER LEVELS WITHIN
THE DISCHARGE IMPACT AREA**

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. Water Levels Within the Discharge Impact Area

Well ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M54-LBF	07/16/2021	240.58	TOC	1481.92	1241.34
M54-LBF	07/21/2021	242.25	TOC	1481.92	1239.67
M54-O	07/16/2021	249.89	TOC	1482.47	1232.58
M54-O	07/21/2021	254.09	TOC	1482.47	1228.38
M55-UBF	07/16/2021	233.65	TOC	1479.14	1245.49
M55-UBF	07/20/2021	233.98	TOC	1479.14	1245.16
M56-LBF	07/16/2021	240.30	TOC	1478.65	1238.35
M56-LBF	07/22/2021	243.35	TOC	1478.65	1235.30
M57-O	07/16/2021	251.23	TOC	1478.71	1227.48
M57-O	07/20/2021	235.49	TOC	1478.71	1243.22
M57R-O	07/16/2021	249.25	TOC	1478.29	1229.04
M57R-O	08/02/2021	251.89	TOC	1478.29	1226.40
M58-O	07/16/2021	248.70	TOC	1482.08	1233.38
M58-O	07/22/2021	253.75	TOC	1482.08	1228.33
M59-O	07/16/2021	258.83	TOC	1480.19	1221.36
M59-O	07/19/2021	NM	TOC	1480.19	NM
M59-O	08/25/2021	NM	TOC	1480.19	NM
M59-O	09/20/2021	248.16	TOC	1480.19	1232.03
M60-O	07/16/2021	246.47	TOC	1477.36	1230.89
M60-O	07/19/2021	250.79	TOC	1477.36	1226.57
M60-O	08/25/2021	244.04	TOC	1477.36	1233.32
M60-O	09/15/2021	243.57	TOC	1477.36	1233.79
M61-LBF	07/16/2021	248.95	TOC	1480.78	1231.83
M61-LBF	07/20/2021	255.88	TOC	1480.78	1224.90
MW-01-LBF	07/16/2021	239.02	TOC	1478.92	1239.90
MW-01-LBF	07/20/2021	241.13	TOC	1478.92	1237.79
MW-01-O	07/16/2021	249.38	TOC	1479.07	1229.69
MW-01-O	07/19/2021	254.30	TOC	1479.07	1224.77
P49-O	07/16/2021	234.55	TOM	1463.12	1228.57
P49-O	07/28/2021	232.63	TOM	1463.12	1230.49
Status of Local Production Wells					
BIA-10	07/16/2021			Pumping	
PW2-1	07/16/2021			Pumping	

Notes:

amsl = above mean sea level

NM = not measured

TOC = top of casing

TOM = top of monument

TOS = top of stickup

ATTACHMENT 10

10A – Groundwater Sampling Results for POC Wells
10B – Summary of Quarterly Water Levels

ATTACHMENT 10A

Groundwater Sampling Results for POC Wells

TECHNICAL MEMORANDUM

28 October 2021
File No. 133887-012

TO: Florence Copper Inc.
Brent Berg
General Manager

FROM: Haley & Aldrich, Inc.
Laura Menken, R.G.
Senior Technical Specialist
Mark Nicholls, R.G.
Lead Hydrogeologist

SUBJECT: Florence Copper Project, Quarterly Compliance Monitoring Report
Aquifer Protection Permit (APP), Third Quarter 2021



Haley & Aldrich, Inc. has prepared this memorandum to present the results of the quarterly compliance groundwater monitoring conducted during the third quarter (Q3) 2021 at the Florence Copper Project. The Florence Copper Project is subject to two related permits issued by the Arizona Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (USEPA).

APP Covering the 1997-98 BHP Pilot Facilities and Future Operations:

- ADEQ APP No. P-101704 (LTF 88973) dated 30 April 2021.

Permits Covering the Current Production Test Facility:

- ADEQ APP No. P-101704 (LTF 88973) dated 30 April 2021, and
- USEPA Underground Injection Control (UIC) Permit No. R9UIC-AZ3-FY11-1 dated 20 December 2016.

This report presents the results of the Q3 2021 groundwater monitoring activities required by the APP.

SAMPLING ACTIVITIES

During Q3 2021, monitoring was conducted at 32 point of compliance wells. Water levels were collected on 18 July 2021, and quarterly groundwater sampling was conducted between 19 July and 20 September 2021. Groundwater sampling and analysis was conducted in accordance with the requirements of Section 2.5.3 of APP No. P-101704.

The majority of the monitoring wells are equipped with low-flow bladder pumps. Low-flow sampling was conducted in accordance with Section 2.5.3 of the APP. Wells M14-GL, M16-GU(R), M20-O(R), M22-O, M24-O, O49-GL(R), and P49-O were equipped with stainless steel electric submersible pumps. These wells were sampled by purging a minimum of three borehole volumes, except for well M20-O(R), which was purged dry for 2 consecutive days and allowed to recharge prior to sampling. No other modified sampling procedures were used.

Each sample was labeled, placed in a cooler with ice, maintained at 4 degrees Celsius ($^{\circ}\text{C}$) $\pm 2^{\circ}\text{C}$, and transported under chain of custody to Turner Laboratories, Inc. (Turner) for analysis. Samples were analyzed for the quarterly (Level 1) monitoring parameters listed in Section 4.0, Table 13 of the APP.

Monthly monitoring of well M4-O, which began in December 2020, was continued during Q3 2021 due to an APP alert level (AL) exceedance of magnesium confirmed in Q4 2020. Monthly samples collected from M4-O were analyzed for the quarterly (Level 1) monitoring parameters as discussed further below. Well M4-O is an up gradient well, and the observed exceedance is not the result of mineral production operations.

RESULTS

Field parameters collected during the sampling event are provided in Table 1.¹ The analytical results for magnesium, sulfate, fluoride, and total dissolved solids are provided in Table 2. The Q3 2021 results were compared to the ALs and aquifer quality limits (AQL) listed in the applicable tables in Section 4.0 of APP No. P-101704.

No AQL exceedances occurred during Q3 2021. There were no exceedances of ALs during Q3 2021, with the exception of magnesium in M4-O. The magnesium exceedances in M4-O are discussed further below under the Contingency Sampling Plan section.

A quality assurance/quality control summary of the Q3 2021 data is provided in Appendix A.

CONTINGENCY SAMPLING PLANS

As described above, monthly monitoring was conducted at well M4-O during Q3 2021, as required by Section 2.6.2.5.1 of the APP.

Well M4-O

Well M4-O had a confirmed magnesium APP AL exceedance in Q4 2020. During Q4 2020, Florence Copper Inc. initiated monthly sampling of the quarterly compliance monitoring parameters. This was consistent with Section 2.6.2.3.2 of the previous APP, which described the contingency action of an exceedance of a parameter with an Aquifer Water Quality Standard (AWQS). Magnesium, an indicator parameter, has no AWQS.

¹ Note that turbidity was monitored as a field parameter in addition to field pH, temperature, and specific conductance, but is not required by APP No. P-101704 and is therefore not reported.

With the APP amendment on 8 December 2020, which began governance over groundwater monitoring in Q3 2021, the verified exceedance of indicator parameters results in an increased frequency of monitoring under Section 2.6.2.5.1. Sampling of M4-O has continued monthly since Q4 2020.

During Q3 2021, magnesium concentrations in the monthly M4-O sampling events continued to exceed the APP AL of 15 milligrams per liter (mg/L), and ranged from 23 to 24 mg/L. All other parameters were below their respective ALs in each sample. Based on previous correspondence with ADEQ, notification of the monthly monitoring results is solely reported in the quarterly compliance groundwater monitoring report. The exceedance of magnesium does not appear to be related to solutions migrating from the wellfield. Well M4-O is located upgradient and over 3,500 feet from the operational wellfield, and hydraulic control was always maintained. However, per Section 2.6.2.5.1, monthly monitoring of the quarterly compliance monitoring parameters at M4-O will continue through Q4 2021.

Attachments:

- Table 1 – Q3 2021 Field Parameters
- Table 2 – Q3 2021 Quarterly (Level 1) Analytical Parameters
- Appendix A – Data Quality Assurance/Quality Control Summary

TABLES

TABLE 1**Q3 2021 FIELD PARAMETERS**

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Location	Sample Date	Temperature, Field Deg C	Temperature, Field Deg F	pH, Field pH units	Specific Conductance, Field μmhos/cm
M1-GL	07/28/2021	25.6	78.1	7.26	1,281
M2-GU	07/29/2021	23.1	73.6	6.98	1,730
M3-GL	07/29/2021	23.3	73.9	7.10	1,518
M4-O	07/29/2021	23.2	73.8	7.08	1,597
M4-O ⁽¹⁾	08/25/2021	23.6	74.5	7.24	1,674
M4-O ⁽¹⁾	09/15/2021	23.6	74.5	7.02	1,656
M6-GU	07/27/2021	28.0	82.4	8.19	713
M7-GL	07/27/2021	28.3	82.9	9.15	503
M8-O	07/27/2021	28.3	82.9	8.97	693
M14-GL	08/02/2021	27.2	81.0	8.26	855
M15-GU	08/02/2021	24.9	76.8	7.16	1,490
M16-GU(R)	07/29/2021	24.2	75.6	7.07	1,620
M17-GL	07/29/2021	25.2	77.4	8.51	780
M18-GU	07/28/2021	24.9	76.8	7.29	1,862
M19-LBF	07/27/2021	26.6	79.9	7.42	845
M20-O(R)	07/22/2021	24.7	76.5	6.85	831
M21-UBF	07/22/2021	28.2	82.8	6.89	1,757
M22-O	07/21/2021	28.7	83.7	8.09	808
M23-UBF	08/02/2021	25.4	77.7	7.07	2,020
M24-O	07/29/2021	30.4	86.7	7.85	1,813
M25-UBF	07/28/2021	25.2	77.4	6.93	2,478
M26-O	07/26/2021	25.3	77.5	8.77	546
M26-O ⁽²⁾	08/25/2021	26.9	80.4	8.93	544
M27-LBF	07/26/2021	26.7	80.1	7.31	1,826
M28-LBF	07/26/2021	26.2	79.2	9.01	660
M29-UBF	07/26/2021	25.8	78.4	7.12	1,783
M30-O	08/03/2021	26.9	80.4	7.24	893
M31-LBF	08/03/2021	26.8	80.2	7.20	1,504
M52-UBF	07/21/2021	29.7	85.5	7.04	1,506
M54-LBF	07/21/2021	27.5	81.5	7.03	1,545
M54-O	07/21/2021	28.4	83.1	7.64	755
O19-GL	08/03/2021	27.4	81.3	7.44	835
O49-GL(R)	07/28/2021	27.0	80.6	7.80	899
P19-1-O	08/03/2021	26.4	79.5	7.24	779
P49-O	07/28/2021	28.3	82.9	7.61	825

Notes:

(1) Increased frequency monitoring conducted on 8/25/2021 and 9/15/2021.

(2) Resampling conducted on 8/25/2021 due to misreporting of the sample collected on 7/26/2021.

Deg C = degrees Celsius

Deg F = degrees Fahrenheit

μmhos/cm = micromhos per centimeter

TABLE 2

Q3 2021 QUARTERLY (LEVEL 1) ANALYTICAL PARAMETERS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Location ID	Sample Date	Sample Type	Magnesium, Dissolved		Sulfate		Fluoride			Total Dissolved Solids (TDS)	
			Concentration	Alert Level	Concentration	Alert Level	Concentration	Alert Level	Aquifer Quality Limit	Concentration	Alert Level
M1-GL	07/28/2021	Primary	23	31	120	184.2	0.58	3.2	4.0	710	1028
M2-GU	07/29/2021	Primary	30	39	170	275	0.69	3.2	4.0	1,000	1496
M2-GU	07/29/2021	Duplicate	29	39	150	275	0.65	3.2	4.0	1,000	1496
M3-GL	07/29/2021	Primary	25	36	180	187	0.56	3.2	4.0	890	1157
M4-O	07/29/2021	Primary	24	15	180	405	0.77	--	5.1	930	1072
M4-O ⁽¹⁾	08/25/2021	Primary	24	15	170	405	< 1.5	--	5.1	1,000	1072
M4-O ⁽¹⁾	09/15/2021	Primary	23	15	170	405	0.73	--	5.1	950	1072
M6-GU	07/27/2021	Primary	2.2 J	44	50	86	0.64	3.2	4.0	340	620
M7-GL	07/27/2021	Primary	0.12 J	1	5.5	82	0.88	3.2	4.0	250	464
M8-O	07/27/2021	Primary	0.14 J	1	64	122	2.1	3.6	4.0	360	609
M14-GL	08/02/2021	Primary	2.0 J	23	56	144	0.57	3.2	4.0	400	874
M14-GL	08/02/2021	Duplicate	2.0 J	23	56	144	0.59	3.2	4.0	380	874
M15-GU	08/02/2021	Primary	24	44	86	126	< 0.29	3.2	4.0	800	1359
M16-GU(R)	07/29/2021	Primary	29	52	190	248	0.49 J	3.2	4.0	940	1635
M16-GU(R)	07/29/2021	Duplicate	28	52	190	248	0.37 J	3.2	4.0	940	1635
M17-GL	07/29/2021	Primary	4.5	9.3	100	209	0.58	3.2	4.0	420	831
M18-GU	07/28/2021	Primary	27	36	220	288	0.70	3.2	4.0	1,000	1323
M19-LBF	07/27/2021	Primary	10	21	45	89	0.45 J	3.2	4.0	450	794
M20-O(R)	07/22/2021	Primary	8.3	14	71	112	0.69	3.2	4.0	470	809
M21-UBF	07/22/2021	Primary	28	87	200	487	0.57	3.2	4.0	990	2867
M22-O	07/21/2021	Primary	6.2	8.6	55	86	0.97	3.2	4.0	410	1094
M22-O	07/21/2021	Duplicate	6.1	8.6	48	86	0.97	3.2	4.0	410	1094
M23-UBF	08/02/2021	Primary	28	69	230	411	0.73	3.2	4.0	1,100	2392
M24-O	07/29/2021	Primary	9.5	19	820	1364	0.97	3.2	4.0	1,200	2363
M25-UBF	07/28/2021	Primary	40	76	250	387	0.60	3.2	4.0	1,500	2683
M26-O	07/26/2021	Primary	0.18 J	1	--	105	--	3.4	4.0	--	556
M26-O ⁽²⁾	08/25/2021	Primary	0.17 J	1	57	105	1.6 J	3.4	4.0	290	556
M27-LBF	07/26/2021	Primary	30	51	110	179	0.36 J	3.2	4.0	1,200	1745
M28-LBF	07/26/2021	Primary	0.85 J	2.6	6.3	81	0.69	3.2	4.0	280	610
M29-UBF	07/26/2021	Primary	28	84	190	456	0.71	3.2	4.0	1,000	2751
M29-UBF	07/26/2021	Duplicate	25	84	190	456	0.66	3.2	4.0	1,000	2751
M30-O	08/03/2021	Primary	11	18	54	102	0.71	3.2	4.0	520	824
M31-LBF	08/03/2021	Primary	23	--	160	330	0.79	3.2	4.0	820	--
M52-UBF	07/21/2021	Primary	23	45	160	351	0.69	3.2	4.0	850	1666
M54-LBF	07/21/2021	Primary	22	46	160	329	0.68	3.2	4.0	850	1731
M54-O	07/21/2021	Primary	5.7	11	47	200	0.66	3.2	4.0	390	855
O19-GL	08/03/2021	Primary	10	17	51	99	0.65	3.2	4.0	460	770
O49-GL(R)	07/28/2021	Primary	8.7	18	56	181	0.56	3.2	4.0	490	801
P19-1-O	08/03/2021	Primary	5.7	23	59	144	1.4	3.2	4.0	460	874
P49-O	07/28/2021	Primary	3.4	18	130	181	0.89	3.2	4.0	460	849
Arizona Aquifer Water Quality Standard ⁽³⁾			--	--	--	4.0			--	--	

Notes:

(1) Increased frequency monitoring conducted on 8/25/2021 and 9/15/2021.

(2) Resampling conducted on 8/25/2021 due to misreporting of the sample collected on 7/26/2021.

(3) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

Alert Level Exceeded

J = estimated value

All results in milligrams per liter (mg/L).

Detects are bolded.

Non-detects are reported to the laboratory method detection limit (< MDL).

APPENDIX A

Data Quality Assurance/Quality Control Summary Memorandum



HALEY & ALDRICH, INC.
One Arizona Center
400 E. Van Buren St., Suite 545
Phoenix, AZ 85004
602.760.2450

MEMORANDUM

28 October 2021
File No. 133887-012

TO: Haley & Aldrich, Inc.
Laura Menken R.G.

FROM: Haley & Aldrich, Inc.
Alexis Rainery, Engineer
Katherine Miller, Project Manager

SUBJECT: Appendix A – Data Quality Assurance/Quality Control Summary

Analytical results for environmental samples collected during the third quarter 2021 compliance monitoring event were verified in accordance with guidance provided by the U.S. Environmental Protection Agency [USEPA], 2012].¹ For each laboratory data package, the following quality control/quality assurance criteria from the analysis of the project samples were reviewed:

- Completeness with the chain of custody (COC);
- Comparison of reporting limits to alert levels (AL) and aquifer quality limits (AQL);
- Holding times/preservation;
- Blank sample analysis;
- Laboratory control samples;
- Matrix spike samples;
- Laboratory and field duplicate sample analysis; and
- Verification of laboratory report data.

Sample data were qualified by the laboratory in accordance with laboratory standard operating procedures (SOP). Based on a check of the data qualifiers assigned to the project sample results, these flags were applied to the reported results in accordance with the laboratory-specific SOP.

¹ USEPA, 2012. USEPA Region 9 Guidance for Quality Assurance Program Plans, R9QA/03.2. March.

COMPLETENESS WITH CHAIN OF CUSTODY

Samples were collected, preserved, and shipped following standard COC protocol. Samples were also received appropriately, identified correctly, and analyzed according to the COC. COCs were appropriately signed and dated by the field and/or laboratory personnel. The following exceptions were noted:

- Laboratory report 21G0678 was revised on 15 October 2021 to include the resample of M26-O. Original sample of M26-O was misreported using M29-O results. Resampling was completed to provide a full data set.

REPORTING LIMITS

The reporting limits and/or method detection limits were at or below the applicable ALs and AQLs.

HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified as per each method's protocol.

BLANK SAMPLE ANALYSIS

Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

LABORATORY CONTROL AND MATRIX SPIKE SAMPLES

Compounds associated with the laboratory control sample, matrix spike, and matrix spike duplicate analyses exhibited recoveries and relative percent differences (RPD) within the specified limits.

LABORATORY AND FIELD DUPLICATE SAMPLES

The RPDs for laboratory duplicate analysis were all below 20 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit).

Sample ID	Analyte	RPD
M31-LBF-080321	Total Dissolved Solids	75

The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The following samples were collected for field duplicate analysis and the RPDs were all below 35 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit) with the following exceptions:

Primary Sample ID	Duplicate Sample ID	Methods for Which Field Duplicates Were Analyzed
M14-GL-080221	MW-105-080221	Anions by USEPA 300.0 Total Dissolved Solids by SM 2540C Metals by EPA 200.7 and USEPA 200.8
M16-GU(R)-072921	MW-103-072921	
M22-O-072121	MW-101-072121	
M29-UBF-072621	MW-102-GW-072621	
M2-GU-072921	MW-104-072921	
Notes: SM = Standard Method USEPA = U.S. Environmental Protection Agency		

VERIFICATION OF LABORATORY REPORT DATA

A minimum of 10 percent of the data reported by the laboratory were verified against the electronic data deliverables.

ATTACHMENT 10B

Summary of Quarterly Water Levels

TABLE 1
SUMMARY OF QUARTERLY WATER LEVELS
FLORENCE COPPER INC.
FLORENCE, ARIZONA

Page 1 of 2

Location ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M1-GL	07/16/2021	227.89	TOC	1461.75	1233.86
M1-GL	07/28/2021	227.30	TOC	1461.75	1234.45
M2-GU	07/16/2021	209.48	TOC	1460.80	1251.32
M2-GU	07/29/2021	209.53	TOC	1460.80	1251.27
M3-GL	07/16/2021	211.74	TOC	1460.74	1249.00
M3-GL	07/29/2021	211.30	TOC	1460.74	1249.44
M4-O	07/16/2021	212.25	TOC	1460.60	1248.35
M4-O	07/29/2021	211.85	TOC	1460.60	1248.75
M4-O	08/25/2021	209.65	TOC	1460.60	1250.95
M4-O	09/15/2021	213.12	TOC	1460.60	1247.48
M6-GU	07/16/2021	241.18	TOC	1482.45	1241.27
M6-GU	07/27/2021	241.58	TOC	1482.45	1240.87
M7-GL	07/16/2021	242.15	TOC	1481.22	1239.07
M7-GL	07/27/2021	242.90	TOC	1481.22	1238.32
M8-O	07/16/2021	244.13	TOC	1480.46	1236.33
M8-O	07/27/2021	247.75	TOC	1480.46	1232.71
M14-GL	07/16/2021	239.54	TOC	1476.53	1236.99
M14-GL	08/02/2021	NM	TOC	1477.12	NM
M15-GU	07/16/2021	237.58	TOC	1476.53	1238.95
M15-GU	08/02/2021	238.23	TOC	1476.53	1238.30
M16-GU(R)	07/16/2021	240.32	TOC	1466.16	1225.84
M16-GU(R)	07/29/2021	233.63	TOC	1468.57	1234.94
M17-GL	07/16/2021	242.20	TOM	1466.16	1223.96
M17-GL	07/29/2021	235.25	TOM	1466.16	1230.91
M18-GU	07/16/2021	214.50	TOC	1462.40	1247.90
M18-GU	07/28/2021	214.25	TOC	1462.40	1248.15
M19-LBF	07/16/2021	245.73	TOM	1490.05	1244.32
M19-LBF	07/27/2021	246.20	TOM	1490.05	1243.85
M20-O(R)	07/16/2021	246.85	TOC	1490.42	1243.57
M20-O(R)	07/22/2021	249.74	TOC	1490.42	1240.68
M21-UBF	07/16/2021	242.90	TOM	1489.52	1246.62
M21-UBF	07/22/2021	243.68	TOM	1489.52	1245.84
M22-O	07/16/2021	242.22	TOM	1478.58	1236.36
M22-O	07/21/2021	246.50	TOM	1478.58	1232.08
M23-UBF	07/16/2021	220.80	TOM	1477.61	1256.81
M23-UBF	08/02/2021	220.99	TOM	1477.61	1256.62
M24-O	07/16/2021	237.45	TOM	1469.29	1231.84
M24-O	07/29/2021	235.80	TOM	1469.29	1233.49
M25-UBF	07/16/2021	215.38	TOM	1469.27	1253.89
M25-UBF	07/28/2021	215.28	TOM	1469.27	1253.99
M26-O	07/16/2021	249.85	TOM	1488.41	1238.56
M26-O	07/26/2021	252.89	TOM	1488.41	1235.52
M26-O	08/25/2021	250.15	TOM	1488.41	1238.26
M27-LBF	07/16/2021	245.08	TOM	1488.85	1243.77
M27-LBF	07/26/2021	245.34	TOM	1488.85	1243.51

TABLE 1
SUMMARY OF QUARTERLY WATER LEVELS
FLORENCE COPPER INC.
FLORENCE, ARIZONA

Location ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M28-LBF	07/16/2021	246.10	TOM	1489.45	1243.35
M28-LBF	07/26/2021	246.50	TOM	1489.45	1242.95
M29-UBF	07/16/2021	245.10	TOM	1489.49	1244.39
M29-UBF	07/26/2021	245.34	TOM	1489.49	1244.15
M30-O	07/16/2021	239.75	TOM	1486.36	1246.61
M30-O	08/03/2021	240.23	TOM	1486.36	1246.13
M31-LBF	07/16/2021	239.63	TOM	1485.93	1246.30
M31-LBF	08/03/2021	239.63	TOM	1485.93	1246.30
M32-UBF	07/16/2021	Dry	Not Sampled	1475.09	Dry
M33-UBF	07/16/2021	Dry	Not Sampled	1490.10	Dry
M52-UBF	07/16/2021	233.70	TOC	1485.04	1251.34
M52-UBF	07/21/2021	233.75	TOC	1485.04	1251.29
M54-LBF	07/16/2021	240.58	TOC	1481.92	1241.34
M54-LBF	07/21/2021	242.25	TOC	1481.92	1239.67
M54-O	07/16/2021	249.89	TOC	1482.47	1232.58
M54-O	07/21/2021	254.09	TOC	1482.47	1228.38
O19-GL	07/16/2021	242.58	TOM	1483.28	1240.70
O19-GL	08/03/2021	242.58	TOM	1483.28	1240.70
O49-GL(R)	07/16/2021	228.48	TOM	1465.83	1237.35
O49-GL(R)	07/28/2021	234.62	TOM	1465.83	1231.21
P19-1-O	07/16/2021	243.33	TOM	1484.72	1241.39
P19-1-O	08/03/2021	243.38	TOM	1484.72	1241.34
P49-O	07/16/2021	234.55	TOM	1463.12	1228.57
P49-O	07/28/2021	232.63	TOM	1463.12	1230.49
Status of Local Production Wells					
BIA-9R	07/16/2021		Pumping		
BIA-10	07/16/2021		Pumping		
PW2-1	07/16/2021		Pumping		
WW-4	07/16/2021		Not Pumping		

Notes:

amsl = above mean sea level

NM = not measured

TOC = top of casing

TOM = top of monument

ATTACHMENT 11

Resource Block Status Report

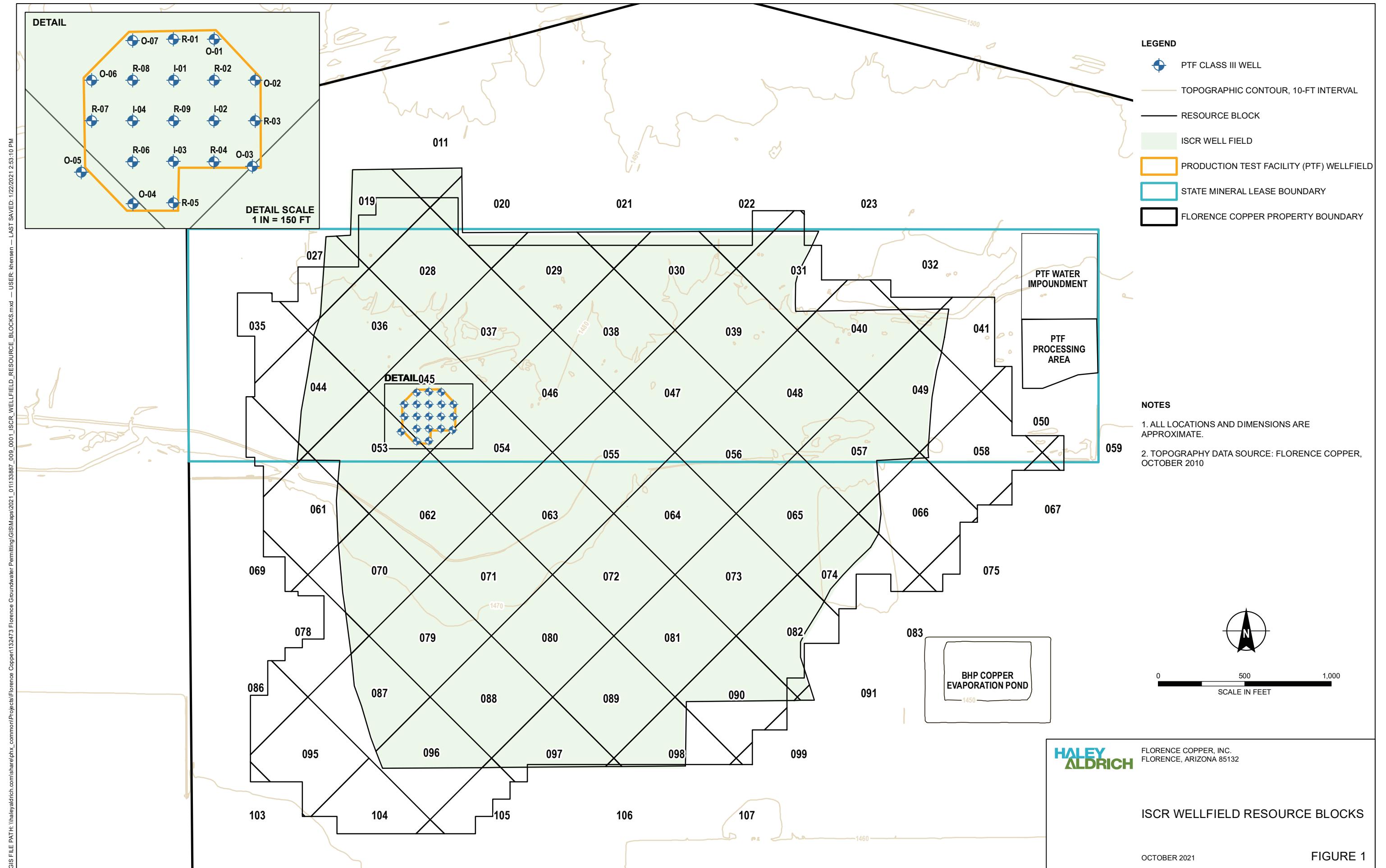
Q3 2021 RESOURCE BLOCK STATUS SUMMARY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Resource Block ⁽¹⁾	Block Status	Notes
045	Rinsing	Only those wells associated with the Production Test Facility have been constructed within the identified resource blocks.
053	Rinsing	
054	Rinsing	

Notes:*(1) Resource block numbering provided in Figure 1 attached**At this time, no other resource blocks are planned for immediate construction.*



ATTACHMENT 12

Monthly ISCR Wellfield Water Analytical Results

Q3 2021

MONTHLY ISCR WELLFIELD WATER ANALYTICAL RESULTS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. Treated ISCR Wellfield Water

Monitoring Parameters	Maximum Ambient Water Quality ⁽¹⁾	Analytical Results		
		7/19/2021	8/25/2021	9/15/2021
Metals				
Aluminum	0.08	< 2.0	< 2.0	< 2.0
Antimony	0.0005	< 0.20	< 0.20	< 0.20
Arsenic	0.0029	< 0.040	< 0.040	< 0.040
Barium	0.11	< 0.050	< 0.050	< 0.050
Beryllium	0.0005	< 0.0020	< 0.0020	< 0.0020
Cadmium	0.0014	< 0.0020	< 0.0020	< 0.0020
Chromium	0.01	< 0.030	< 0.030	< 0.030
Cobalt	0.0081	< 0.10	< 0.10	< 0.10
Copper	1.9	1.4	0.12	0.079
Iron	0.3	< 0.30	< 0.30	< 0.30
Lead	0.001	< 0.040	< 0.040	< 0.040
Magnesium	30	< 3.0	0.079	0.079
Manganese	0.12	0.039	< 0.020	< 0.020
Mercury	0.001	< 0.0010	< 0.0010	< 0.0010
Molybdenum	--	< 0.010	< 0.010	< 0.010
Nickel	0.015	< 0.050	< 0.050	< 0.050
Selenium	0.0039	< 0.040	< 0.040	< 0.040
Thallium	0.001	< 0.050	< 0.050	< 0.050
Uranium	--	0.01	< 0.00050	< 0.00050
Zinc	1.9	< 0.040	< 0.040	< 0.040
Inorganic Parameters				
Total Alkalinity	220	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
Bicarbonate	220	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
Carbonate	20	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
Hydroxide	2	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
pH (pH Units)	8.7	2.7	2.46	2.37
Temperature (°C)	32.4	31.4	34.5	38.8
Conductivity	1800	1235	1702	1670
Calcium	140	< 4.0	< 4.0	0.079
Chloride	340	100	130	< 1.0
Fluoride	0.89	0.49	0.86	< 0.50
Potassium	11	< 5.0	< 50	< 50
Sodium	180	< 5.0	< 5.0	< 5.0
TDS	1100	35	20	20
Nitrate (as N)	9.7	3.7	5.4	< 0.50
Nitrite (as N)	0.1	< 0.10	< 0.10	< 0.50
Sulfate	230	160	66	5.3
Organic Parameters				
Benzene	0.063	< 0.00050	< 0.00050	< 0.00050
Carbon Disulfide	--	< 0.002	NA ⁽³⁾	NA ⁽³⁾
Ethylbenzene	0.054	< 0.00050	< 0.00050	< 0.00050
Naphthalene	--	< 0.002	< 0.002	< 0.002
n-octane	--	< 0.00050	< 0.00050	< 0.00050
Toluene	0.057	0.00077	< 0.0005	< 0.0005
Total Xylene	0.13	< 0.0015	< 0.00050	< 0.0015
Total Petroleum Hydrocarbons - Diesel	0.17	< 0.0001	< 0.0001	< 0.0001
Radionuclide Parameters				
Gross Alpha (pCi/L)	2.8	< 2.2	< 0.5	< 2.3
Uranium Isotopes (total) (pCi/L)	30.2	2.1 ± 0.5	0.7 ± 0.3	< 0.4
Adjusted Gross Alpha (pCi/L)	15.4	< 1.0	< 1.0	< 2.3
Gross Beta (pCi/L)	--	< 2.2	< 2.4	< 2.4
Radium Isotopes 226+228 (pCi/L)	6.2	< 0.7	< 0.6	< 0.6
Radon (pCi/L)	--	1412.0 ± 142.6	1732.3 ± 175.7	973.7 ± 98.6

Notes:

(1) Maximum ambient water quality at the site pre-operation.

(2) Alkalinity analysis was not reported due to matrix interference. Sample pH was less than 4.5.

(3) No analysis for carbon disulfide in August and September

All results in milligrams per liter (mg/L) unless otherwise noted.

Non-detects are reported to the laboratory reporting limit

Radionuclide data presented as result ± uncertainty

ISCR = in-situ copper recovery

pCi/L = picocuries per liter

ATTACHMENT 13

Well Abandonment Report

Run Date: 01/15/2021

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location D 4.0 9.0 33 A A D	Well Reg.No 55 - 547616	AMA PINAL AMA
Registered Name FLORENCE COPPER INC 1575 W HUNT HWY		File Type NEW WELLS (INTENTS OR APPLICATIONS) Application/Issue Date 01/31/1995
FLORENCE AZ 85132		
Owner OWNER Driller No. 7 Driller Name LAYNE CHRISTENSEN COMPANY Driller Phone 480-895-9404 County PINAL Parcel No. 200-38-001B Intended Capacity GPM 0.00		
Well Type ENV - MONITOR OR PIEZOMETER SubBasin ELOY Watershed UPPER GILA RIVER Registered Water Uses MONITORING Registered Well Uses MONITOR Discharge Method CURRENT - VENTURI METER - FLOW Power ELECTRIC MOTOR 1 - 5 HP		
Well Depth 0.00 Pump Cap. 32.00 Draw Down 11.00	Case Diam 0.00 Case Depth 0.00 Water Level 0.00 Acres Irrig 0.00	Tested Cap 12.00 CRT X Log Finish NO CASING CODE LISTED

Contamination Site: NO - NOT IN ANY REMEDIAL ACTION SITE

Tribe: Not in a tribal zone

Comments

Current Action

1/15/2021 555 DRILLER & OWNER PACKETS MAILED
Action Comment: kc

Action History

1/15/2021 550 DRILLING AUTHORITY ISSUED
Action Comment: kc

1/14/2021 855 CHANGE OF WELL LEGAL DESCRIPTION
Action Comment: OLD LEGAL DESC: D(4.0-9.0) 33 BBC

1/14/2021 860 CHANGE OF WELL OWNERSHIP
Action Comment: kc

1/14/2021 205 NOI SENDBACK RECEIVED
Action Comment: kc

1/11/2021 200 NOI SENDBACK TO APPLICANT
Action Comment: kc

12/30/2020 175 NOI RECEIVED TO ABANDON A WELL
Action Comment: kc

5/26/2010 860 CHANGE OF WELL OWNERSHIP
Action Comment: bew

5/20/2002 855 CHANGE OF WELL LEGAL DESCRIPTION
Action Comment: SW

5/20/2002 855 CHANGE OF WELL LEGAL DESCRIPTION
Action Comment: OLD LEGAL DESC: D(4.0-9.0) 34 BBC

1/28/2002 860 CHANGE OF WELL OWNERSHIP
Action Comment: SW

ARIZONA DEPARTMENT OF WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, Arizona 85007

ABANDON

**ANY DEVIATION IN WELL LOCATION FROM THE PLOT PLAN APPROVED FROM THE COUNTY OR
LOCAL HEALTH AUTHORITY MUST BE RE-SUBMITTED FOR APPROVAL**

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: **55-547616**

AUTHORIZED DRILLER: **LAYNE CHRISTENSEN COMPANY**

LICENSE NO: **7**

NOTICE OF INTENTION TO ABANDON ENV - MONITOR OR PIEZOMETER WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **FLORENCE COPPER INC 1575 W HUNT HWY FLORENCE, AZ, 85132**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SE 1/4 of the NE 1/4 of the NE 1/4 Section 33 Township 4.0 SOUTH Range 9.0 EAST

NO. OF WELLS IN THIS PROJECT: **1**

ASSESSOR'S PARCEL NO: **200-38-001B**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF

Suzanne M. Miller

GROUNDWATER PERMITTING AND WELLS

**THE DRILLER MUST FILE A WELL ABANDONMENT COMPLETION REPORT WITHIN 30 DAYS OF
ABANDONMENT.**



ARIZONA DEPARTMENT of WATER RESOURCES

1110 W. Washington St. Suite 310
Phoenix, AZ 85007
602-771-8500
azwater.gov

January 15, 2021

FLORENCE COPPER INC
1575 W HUNT HWY
FLORENCE, AZ 85132

Registration No. 55- 547616
File Number: D(4-9) 33 AAD



DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Dear Well Owner:

Enclosed is a copy of the Notice of Intent to Abandon a Well (NOI) which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed an abandonment authorization card to your designated well drilling contractor. The driller may not begin abandonment until he/she has received the authorization, and must keep it in their possession at the well site during the abandonment.

The well abandonment authorization card and a blank Well Abandonment Completion Report form (form 55-58) have been sent to your driller. Arizona statute [A.R.S. § 45-594] requires the driller to furnish the Department with a complete and accurate Well Abandonment Completion Report within thirty (30) days after completion of abandonment. Arizona statute also requires a well owner to submit a Well Owner's Notification of Abandonment form (form 55-36) within thirty (30) days after the well has been properly abandoned. A copy of the form is enclosed for your convenience. An electronic copy (compact disc or electronic file) of all video logs, if performed, must be included with the well owner's notification or Well Abandonment Completion Report. You should insist, and ensure, all of this is done.

If you change drillers, you must supply the Department with the new driller's identity on a Request to Change Well Drilling Contractor form (form 55-71B). Forms may be obtained by contacting the Department, or online at <https://new.azwater.gov/permitting-wells/well-forms-and-applications>. Well abandonments shall be performed only by a licensed well drilling contractor or single well licensee.

Sincerely,

A handwritten signature in blue ink that reads "Kevin Cego".

Groundwater Permitting and Wells Section



Arizona Department of Water Resources
Groundwater Permitting and Wells Section
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8527 • Fax (602) 771-8689
www.azwater.gov

Received Resources

Notice of Intention to Abandon a Well

**FEE
\$150.00**

- ❖ Review instructions and the Well Abandonment Handbook prior to completing form with black or blue ink.
 - ❖ You must include with your Notice:
 - Well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.
 - ❖ Authority for fee: A.R.S. § 45-113 and A.A.C. R12-15-104

TO BE COMPLETED BY ADWR			FILE NUMBER
MAINANIA Pinay Water Resources Pin	BASIN	SUBBASIN	D(4-9)33 ARD
RECEIVED DATE 12/13/2020	WATERSHED DB		WELL REGISTRATION NUMBER
ISSUED DATE 11/14/2021	REMEDIAL ACTION SITE -		55-547616

SECTION 1. REGISTRY INFORMATION

To determine the location of well, please refer to the Well Registry Map (<https://gisweb.azwater.gov/WellRegistry/Default.aspx>) and Google Earth (<http://www.earthpoint.us/Townships.aspx>)

Well Type		Location of Well					
CHECK ONE		WELL LOCATION ADDRESS (IF ANY) OR CROSS STREETS 1575 W HUNT HWY, FLORENCE AZ, 85132					
<input type="checkbox"/> Domestic	<input checked="" type="checkbox"/> Monitor / Piezometer	TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE <i>NE</i>	40 ACRE <i>NE</i>	10 ACRE <i>SE</i>
<input type="checkbox"/> Stock	<input type="checkbox"/> Geotechnical	4.0 S	9.0 E	33	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Mineral Exploration	COUNTY ASSESSOR'S PARCEL ID NUMBER			COUNTY WHERE WELL IS LOCATED		
<input type="checkbox"/> Municipal	<input type="checkbox"/> Other (please specify):	BOOK	MAP	PARCEL	PINAL		
ORIGINAL WELL OWNER (IF KNOWN) MAGMA COPPER		LATITUDE LONGITUDE					
ORIGINAL WELL DRILLING FIRM (IF KNOWN) LANG		33 ° 2 ' 37.14 "N 111 ° 25 ' 20.47 "W Degrees Minutes Seconds Degrees Minutes Seconds					
DRILL DATE (IF KNOWN) 1995		METHOD OF LATITUDE/LONGITUDE (check one) <input type="checkbox"/> *GPS: Hand-Held <input checked="" type="checkbox"/> Google Earth <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade *IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (check one) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):					

SECTION 2. OWNER INFORMATION

Land Owner	Well Owner (check this box if Land Owner and Well Owner are same) <input checked="" type="checkbox"/>		
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL FLORENCE COPPER		
MAILING ADDRESS 1575 W HUNT HWY	MAILING ADDRESS 1575 W HUNT HWY		
CITY / STATE / ZIP CODE FLORENCE AZ, 85132	CITY / STATE / ZIP CODE FLORENCE AZ, 85132		
CONTACT PERSON NAME AND TITLE IAN REAM (SENIOR HYDROGEOLOGIST)	CONTACT PERSON NAME AND TITLE IAN REAM (SENIOR HYDROGEOLOGIST)		
TELEPHONE NUMBER (520) 840-9604	EMAIL	TELEPHONE NUMBER (520) 840-9604	EMAIL

SECTION 3. ABANDONMENT AUTHORIZATION

SECTION C: ABANDONMENT AUTHORIZATION			
Drilling Firm		Consultant (if applicable)	
NAME LAYNE		CONSULTING FIRM HALEY & ALDRICH	
DWR LICENSE NUMBER 7	ROC LICENSE CATEGORY A-4	CONTACT PERSON NAME MARK NICHOLLS	
TELEPHONE NUMBER (480) 824-7100	EMAIL ADDRESS IANREAM@FLORENCECOPPER.COM	TELEPHONE NUMBER (602) 760-2432	EMAIL ADDRESS mnicholls@haleyaldrich.com

SECTION 4.

Questions	Yes	No	If Yes:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be, or is contaminated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EXPLAIN (attach additional page if necessary)
2. Is there another well name or identification number associated with this well? (e.g., Lot 3 Well, MW-1, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(please state) M5-S
3. Was the well casing video logged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	INCLUDE CD OR DVD OF VIDEO LOG WITH NOTICE OF INTENT
4. Why is the well being abandoned?	NO FURTHER USE		

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER 55 - 547616

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole		Existing Casing (to the best of your knowledge)										
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE			PERFORATION TYPE			SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	
0	19	14.5	0	19	10.75	X				X		
19	613	9.62	0	516	6.56	X				X		
			516	576	4.5		X					0.08

Condition of casing: (good, fair, poor, unknown) FAIR

DEPTH FROM SURFACE		ANNUAL MATERIAL TYPE						FILTER PACK						
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNUAL MATERIAL, DESCRIBE			SAND	GRAVEL	SIZE
0	19			X					TYPE V					
19	502					X								
502	613											X		#6-9

SECTION 6. PROPOSED WELL ABANDONMENT DESIGN (attach additional page if needed)

DATE ABANDONMENT IS TO BEGIN

01/11/2021

Refer to ADWR's [Well Abandonment Handbook](#) for additional information.

Casing Treatment					Sealing or Fill Material								SAND		MIXING RATIO by (check one) <input checked="" type="checkbox"/> Weight <input type="checkbox"/> Volume	ESTIMATED VOLUME OF MATERIAL (cubic feet)			
DEPTH FROM SURFACE		TREATMENT TYPE			DEPTH FROM SURFACE		MATERIAL TYPE			SAND		SAND							
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING IS TO BE PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS TO BE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE					
0	516			X	X	BLAST PERFORATE USING 200g DETONATING CORD FROM 0-516 FT (SEE ATTACHMENT I)	0	613	X							15 PPG	136		

Proposed Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- Standard Method Alternative 4: Other (please specify):
 Alternative 1 Variance Option *
 Alternative 2 Alternative 5:
 Alternative 3 Variance Option 1* * requires a letter requesting a variance
 Variance Option 2*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- Tremie Pumped (Recommended)
 Gravity
 Pressure Grouting
 Other (please specify):

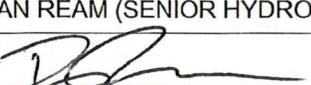
APPLICATION CONTINUES ON PAGE 3

Notice of Intent to Abandon a WellWELL REGISTRATION NUMBER
55 - 547616**SECTION 7. Well Abandonment Diagram**

Please use the space below to provide a well abandonment diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.

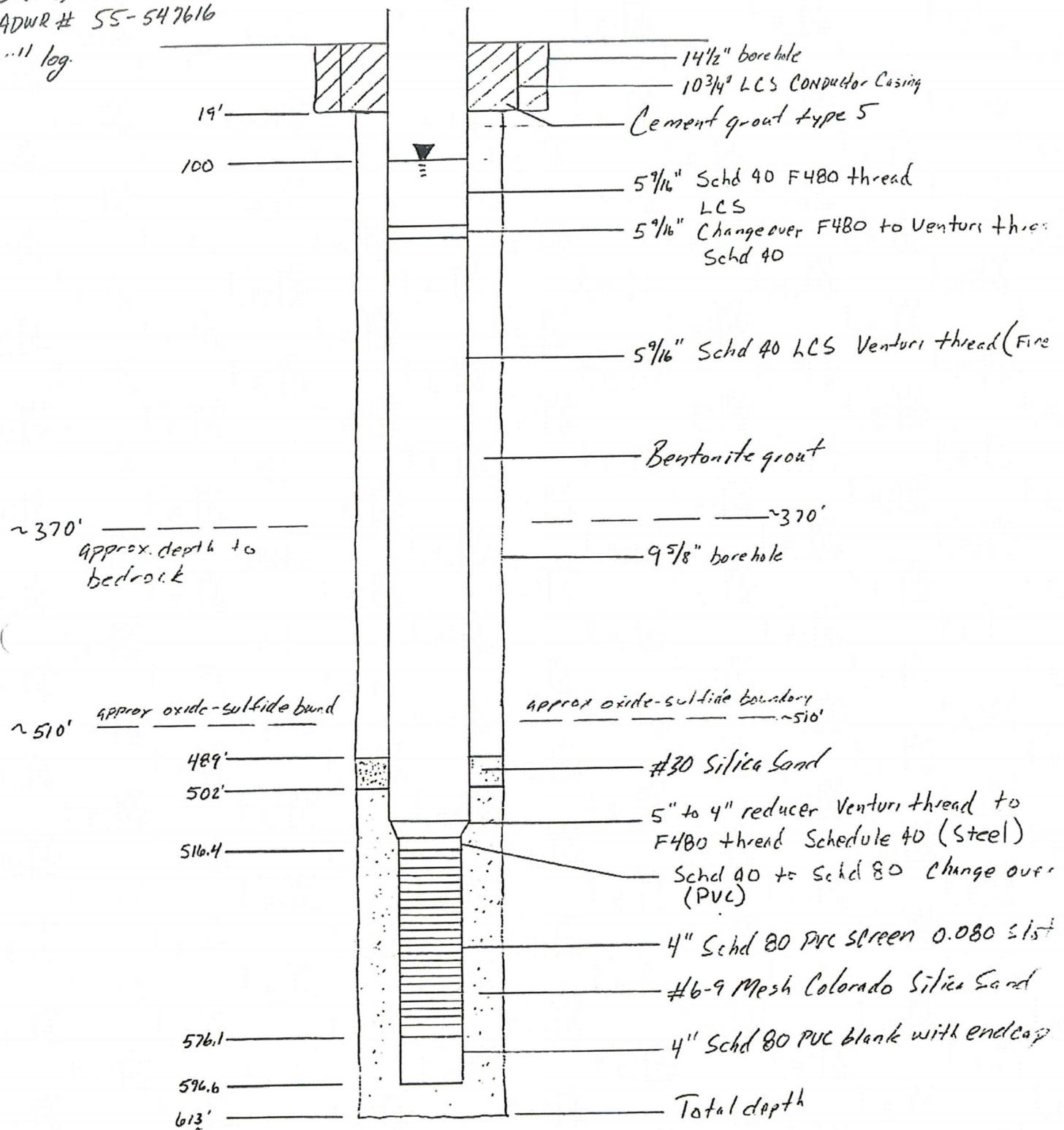
SECTION 8. LAND OWNER AND WELL OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

Land Owner	Well Owner (complete if Land Owner/Well Owner are NOT the same)
PRINT NAME AND TITLE IAN REAM (SENIOR HYDROGEOLOGIST)	PRINT NAME AND TITLE
SIGNATURE OF LAND OWNER 	SIGNATURE OF WELL OWNER
DATE 1-13-2021	DATE
<input type="checkbox"/> By checking this box, you agree to allow ADWR to contact you via electronic mail.	<input type="checkbox"/> By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS ianream@florencecooper.com	EMAIL ADDRESS

M5
D(4-9)33 add
ADWR # 55-547616

6'" log



Not to scale



DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
1110 West Washington Street, Suite 310
Phoenix, Arizona 85007
602.771.8500
azwater.gov

January 11, 2021

Florence Copper
Attn: Ian Ream
1575 West Hunt Highway
Florence, Arizona 85132

RE: Notice of Intent to Abandon Well Registration Numbers 55-547616

Dear Mr. Ream:

The Arizona Department of Water Resources (Department) has reviewed the above-referenced application to determine if the application meets the substantive requirements of A.R.S. § 45-596. Pursuant to A.R.S. § 41-1074, the Department has determined that additional information is required. The following information must be submitted before the Department can complete the application review:

- **Section 1, Location of Well:** The Pinal County Parcel Number provided on the application is invalid. Please provide the parcel where well registration number 55-547616 is located.
- **Section 2, Landowner:** Well Registration number 55-547616 is in the name of Curis Resources Inc. Please complete and submit form 55-71A to update the well registry into the name of Florence Copper. Since this is an abandonment application the \$30 fee is waived.
- **Section 6, Casing Treatment:** Please clarify the use of 200g det cord in order to perforate the well. Please provide information how the aquifer will be protected from contaminants by using this process.

The Department's administrative review time frame is suspended until all of the requested information is provided. Failure to submit the information requested within 60 days may result in the denial of the application.

Please submit the requested information to my attention. If you have any questions or need further assistance you can contact me at 602-771-8609. I have enclosed a copy of the application for your reference.

Sincerely,

A handwritten signature in blue ink that reads "Kevin Crego".

Kevin Crego
Groundwater Permitting and Wells



Arizona Department of Water Resources
Groundwater Permitting and Wells Section
P.O. Box 36020 Phoenix, Arizona 85067-6020
Telephone (602) 771-8527 • www.azwater.gov

REQUEST TO CHANGE WELL INFORMATION

A PERSON TO WHOM A WELL IS REGISTERED MUST NOTIFY THE ARIZONA DEPARTMENT OF WATER RESOURCES (ADWR) OF A CHANGE IN OWNERSHIP OF THE WELL AND THE NEW OWNER MUST FURNISH INFORMATION AS REQUIRED BY ADWR TO KEEP WELL REGISTRATION RECORDS CURRENT AND ACCURATE. [PURSUANT TO ARIZONA REVISED STATUTES (A.R.S.) § 45-593 (C)]

**PLEASE PRINT CLEARLY

NEED HELP? CALL (602) 771-8527

SECTION 1. REQUIRED FILING FEE AND DOCUMENTATION. (Make checks payable to ADWR)

YOU MUST INCLUDE THE FOLLOWING THREE ITEMS WITH THIS APPLICATION:

Failure to include these items may result in application being returned.

- FILING FEE OF \$30.00** (PURSUANT TO A.R.S. § 45-113 AND ARIZONA ADMINISTRATIVE CODE RULE 12-15-104).
- LEGAL PROOF OF OWNERSHIP** SHOWING LAND OWNERSHIP IN THE NAME OF THE NEW OWNER OF THE LAND WHERE THE WELL IS LOCATED. LEGAL PROOF OF OWNERSHIP INCLUDES, BUT IS NOT LIMITED TO, A RECORDED DEED, OBTAINED FROM THE RECORDER'S OFFICE OF THE COUNTY IN WHICH THE LAND IS LOCATED, COURT ORDER, AGREEMENT OR OTHER LEGAL PROOF THAT DEMONSTRATES OWNERSHIP.
- COPY OF COUNTY ASSESSOR MAP** PLEASE PRINT AN AERIAL PHOTO OR A COUNTY ASSESSOR PARCEL MAP AND PLACE AN (X) WHERE THE WELL IS LOCATED ON YOUR PARCEL

SECTION 2. REGISTRY INFORMATION

WELL REGISTRATION NUMBER: 55- 547616	WELL LOCATION ADDRESS (IF ANY) / OR CROSS STREETS 1575 W HUNT HWY, FLORENCE, AZ 85132
COUNTY ASSESSOR'S PARCEL ID NUMBER: BOOK 200 MAP 38 PARCEL 001 B	COUNTY WHERE WELL IS LOCATED: PINAL

SECTION 3. STATEMENT OF CHANGE OF WELL OWNERSHIP

FEE \$30.00

Previous Well Owner	New Well Owner
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL CURIS RESOURCES (ARIZONA)	FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC.
MAILING ADDRESS 1575 W HUNT HIGHWAY	MAILING ADDRESS 1575 W HUNT HIGHWAY
CITY / STATE / ZIP CODE FLORENCE, AZ 85132	CITY / STATE / ZIP CODE FLORENCE, AZ 85132
CONTACT PERSON NAME AND TITLE	CONTACT PERSON NAME AND TITLE IAN REAM (SENIOR HYDROGEOLOGIST)
TELEPHONE NUMBER	TELEPHONE NUMBER 520 840-9604
	EMAIL IANREAM@FLORENCECOPPER.COM

SECTION 4. CHANGE OF WELL INFORMATION: (CHANGE OF ADDRESS, LEGAL LOCATION, G.P.S. OR PARCEL NUMBER) PROVIDE A NARRATIVE SUMMARY AND ATTACH ANY DRAWINGS, MAPS OR DIAGRAMS THAT WOULD CLARIFY THE CHANGE. NOTE: APPLIES ONLY TO WELLS THAT HAVE ALREADY BEEN DRILLED. FOR CHANGING INFORMATION ON A PROPOSED WELL, AN AMENDED NOTICE OF INTENT TO DRILL A WELL FORM MUST BE FILED. FOR CHANGE OF DRILLER, A CHANGE OF DRILLER FORM MUST BE FILED.

NO FEE

REQUESTED CHANGES:

SECTION 5. WELL OWNER SIGNATURE (OR AUTHORIZED AGENT)

I HEREBY CERTIFY that I have included the filing fee & required documentation, and the above statements are true to the best of my knowledge & belief:

TYPE OR PRINT NAME: IAN REAM

TITLE: SENIOR HYDROGEOLOGIST

SIGNATURE:

DATE: 1-13-2021



PINAL COUNTY Assessor Parcel Viewer

Assessor Douglas J. Wolf

[Assessor Home Page](#)



Search APN or Address or



(1 of 7)



Parcels:

Assessor Parcel Number
20038001B
First Owner Name
FLORENCE COPPER INC
Second Owner Name

Property Address

Mailing Address
1575 W HUNT HWY
City
FLORENCE
State
AZ
Zip
85132
Sub or Condo Name

Property Description
SF NF NF & S1/2 SW NF NF & S1/2 SF NW
[Zoom to](#) [...](#)



300ft

33.045564 -111.429925 Degrees



OFFICIAL RECORDS OF
PINAL COUNTY RECORDER
VIRGINIA ROSS

After recording, please return to:

Chris Stachowiak
Osborn Maledon, P.A.
2929 N. Central Ave., Ste. 2100
Phoenix, AZ 85012

DATE/TIME: 08/23/2013 1212
FEE: \$12.00
PAGES: 7
FEE NUMBER: 2013-069357



AFFIDAVIT OF CORPORATE NAME CHANGE

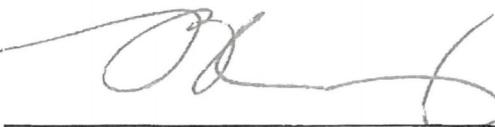
PROVINCE OF BRITISH COLUMBIA)
) ss.
Dominion of CANADA)

Brian Causey, being first duly sworn deposes and says that:

1. He is an Officer of FLORENCE COPPER INC., a Nevada corporation, authorized to transact business in the State of Arizona;
2. Florence Copper Inc. was formerly named Curis Resources (Arizona) Inc.;
3. A change in corporate name from Curis Resources (Arizona) Inc. to Florence Copper Inc. was made by Certificate of Amendment to Articles of Incorporation effective and filed on July 3, 2013, attached hereto, which constitutes a true copy of the official records of the Secretary of State of the State of Nevada;
4. The corporate name change from Curis Resources (Arizona) Inc. to Florence Copper Inc. is further evidenced by an Application of New Authority to Transact Business in Arizona filed July 29, 2013, with the Arizona Corporation Commission, a true copy of which is also attached hereto;
5. This Affidavit has been executed with the intention of placing the same of record in the office of the Recorder of Pinal County, Arizona, for the real property described in the attached Exhibit A, to evidence the foregoing change of corporate name, and
6. This Affidavit has been executed with the intention of placing the same of record to evidence the foregoing change of corporate name to be filed with the Arizona State Land Department.

Dated this 22 of July, 2013.

By: _____


Brian Causey
Secretary, Florence Copper Inc.

This the 22nd day of July, 2013, before me, the undersigned Notary Public, personally appeared Brian Causey, acting in his capacity as an officer and Secretary of Florence Copper Inc., fka Curis Resources (Arizona) Inc., a Nevada corporation, and who is known to me, acknowledged before me on this date that he, in such capacity and with full authority, voluntarily executed the foregoing instrument.


Notary Public
My Commission Does Not Expire

TREVOR R. THOMAS
Barrister & Solicitor
15th Floor – 1040 W. Georgia Street
Vancouver, BC V6E 4H1



STATE OF NEVADA

ROSS MILLER
Secretary of State



SCOTT W. ANDERSON
Deputy Secretary
for Commercial Recordings

OFFICE OF THE
SECRETARY OF STATE

Certified Copy

July 23, 2013

Job Number: C20130723-0177

Reference Number: 00003978130-11

Expedite:

Through Date:

The undersigned filing officer hereby certifies that the attached copies are true and exact copies of all requested statements and related subsequent documentation filed with the Secretary of State's Office, Commercial Recordings Division listed on the attached report.

Document Number(s)	Description	Number of Pages
20130443521-75	Amendment	1 Pages/1 Copies



Respectfully,

A handwritten signature of Ross Miller.

ROSS MILLER
Secretary of State

Certified By: Christine Rakow
Certificate Number: C20130723-0177
You may verify this certificate
online at <http://www.nvsos.gov/>

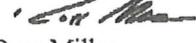
Commercial Recording Division
202 N. Carson Street
Carson City, Nevada 89701-4069
Telephone (775) 684-5708
Fax (775) 684-7138



090101



ROSS MILLER
Secretary of State
204 North Carson Street, Suite 1
Carson City, Nevada 89701-4520
(775) 684-6708
Website: www.nvsos.gov

Filed in the office of 	Document Number 20130443521-75
	Filing Date and Time 07/03/2013 3:28 PM
	Entity Number E0644872007-2

Certificate of Amendment (PURSUANT TO NRS 78.380)

USE BLACK INK ONLY - DO NOT HIGHLIGHT

ABOVE SPACE IS FOR OFFICE USE ONLY

Certificate of Amendment to Articles of Incorporation For Nevada Profit Corporation (Pursuant to NRS 78.380 - Before Issuance of Stock)

1. Name of corporation:

Curis Resources (Arizona) Inc.

2. The articles have been amended as follows: (provide article numbers, if available)

1. Name of Corporation: FLORENCE COPPER INC.

2. Resident Agent name and Street Address:

CSC Services of Nevada Inc.
502 East John Street, Carson City, Nevada, 89706

3. The undersigned declare that they constitute at least two-thirds of the following:(check only one box) incorporators board of directors4. Effective date and time of filing: (optional) Date: _____ Time: _____
(must not be later than 90 days after the certificate is filed)

5. The undersigned affirmatively declare that to the date of this certificate, no stock of the corporation has been issued.

6. Signatures: (If more than two signatures, attach an 8 1/2" x 11" plain sheet with the additional signatures.)


X 
Authorized Signature **BRIAN CAUSEY**
CFO

X
Authorized Signature

IMPORTANT: Failure to include any of the above information and submit with the proper fees may cause this filing to be rejected.

This form must be accompanied by appropriate fees.

Nevada Secretary of State Amend Profit-Before
Revised: 8-31-11

From: Osborn Maledon

08/05/20

AZ Corp. Commission



04352660

AZ CORPORATION COMMISSION
FILED

AUG 06 2013

APPLICATION FOR NEW AUTHORITY
TO TRANSACT BUSINESS IN ARIZONA
BY

CURIS RESOURCES (ARIZONA), INC.
(A Nevada Corporation)

We are a foreign corporation currently authorized to transact business in Arizona and must now file this Application for New Authority pursuant to A.R.S. §10-1504 because we have changed the following in our domicile jurisdiction:

- Our actual corporate name (or the name under which we originally obtained authority in Arizona).

1. The ACC File Number is: F-1566334-0.
2. The exact name of the foreign corporation is Florence Copper Inc.
3. The name of the state, province or country in which the foreign corporation is incorporated is Nevada.
4. The foreign corporation was incorporated on September 14, 2007, and the period of its duration is perpetual.
5. The purpose of the corporation is to engage in any and all lawful business in which corporations may engage in the state, province or country under whose law the foreign corporation is incorporated with no limitations.
6. The character of business the foreign corporation initially intends to conduct in Arizona is mineral exploration and development.
7. The street address of the principal office or known place of business of the foreign corporation in NEVADA is:

CSC Services of Nevada, Inc.
502 East John Street
Carson City, Nevada 89706

8. The street address of the principal office or known place of business of the foreign corporation in ARIZONA is:

Florence Copper Inc.
1575 W. Hunt Highway
Florence, Arizona 85132

9. The name and street address of the statutory agent for the foreign corporation in ARIZONA is:

Rita Maguire
AZ CORPORATION COMMISSION 2999 N. 4th Street #630
FILED Phoenix, Arizona 85018

JUL 29 2013

4175216

FILE NO. F-1566334-0

From:Osborn Naledon

08/05/2013 17:03 #864 P.010/010

10. The names and business addresses of the current directors and officers of the foreign corporation are:

Directors:

Michael McPhie
1500-1040 West Georgia Street
Vancouver BC V6E 4H1

Robert Schafer
1500-1040 West Georgia Street
Vancouver BC V6E 4H1

Russell E. Halfbauer
1500-1040 West Georgia Street
Vancouver BC V6E 4H1

Officers:

Michael McPhie
PRESIDENT
1500-1040 West Georgia Street
Vancouver BC V6E 4H1

Brian Causey
TREASURER
1500-1040 West Georgia Street
Vancouver BC V6E 4H1

Trevor Thomas
SECRETARY
1500-1040 West Georgia Street
Vancouver BC V6E 4H1

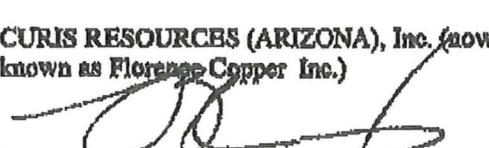
11. The foreign corporation is authorized to issue 100,000 shares of Common Stock with no par value per share.

12. The foreign corporation has not issued any shares of Common Stock.

DATED this 22nd day of July, 2013.

CURIS RESOURCES (ARIZONA), Inc. (now known as Florence Copper Inc.)

By:



Brian Causey, Treasurer

This application is accompanied by:

- (1) A certified copy of the articles of incorporation and all amendments (AZ Corp. Art. XIV, §8) duly authenticated by the official having custody of corporate records in the state, province or country under whose laws we are incorporated (A.R.S. §10-1503.B).
- (2) Arizona name reservation confirmation.
- (3) The filing fee(s) (U.S.) made payable to the Arizona Corporation Commission.

EXHIBIT A

For the following real property situated in Pinal County, Arizona:

**Lot 32, of ANTHEM AT MERRILL RANCH PHASE 1A – UNIT 21,
according to the plat of record in the Office of the County Recorder of Pinal
County, Arizona, recorded in Cabinet F, Slide 152.**

Original recordation date 03/24/2011.

AUSTIN POWDER COMPANY**WESTERN DIVISION TECHNICAL SERVICES**

November 17, 2009

K.C. Construction
Attn.Ken Caver

Re: Well Blasting Explosives
Concerns regarding explosive materials present after the blast

The explosives to be used for this project are:

Shock*Star In-Hole non-electric detonators
Detonating Cord
Cast Boosters

Shock*Star In-Hole non-electric detonators are composed of an aluminum shell-encased detonator assembly which receives its signal to detonate by use of an extruded PVC/Suralyn tube, the inner diameter of which is coated with a compound called HMX. When the tube is initiated, the HMX transmits the signal at a speed of 6,000 feet per second to the detonator. Since this is not an explosion, there is no disruption to the tube, and it therefore remains intact, but inert, in any areas not in intimate contact with the other explosives. Therefore, there would be lengths of inert tubing present after the blast.

Detonating cord is manufactured with an inner core of PETN, with an outer wrapping of plastic and textile fibers. PETN is described as a molecular explosive, with a detonation velocity of about 24,000 feet per second. There is therefore no residue of the explosive or wrapping after the detonation.

Cast Boosters are manufactured with mixtures of PETN, RDX, and TNT. Again, being molecular explosives, the detonation velocity is about 24,000 feet per second, and no residue traces are left after the detonation.

Respectfully,
Austin Powder Company

A handwritten signature in black ink, appearing to read "Steve Harris".

Steve Harris
President - Western Division



Arizona Department of Water Resources
Water Management Support Section
P.O. Box 33589 Phoenix, Arizona 85067-3589
(602) 771-8500 • (800) 352-8488
www.azwater.gov

Request to Change Well Information

- ❖ Review instructions prior to completing form in black or blue ink.
 - ❖ You must include with your Notice:
 - check or money order for any required fee(s)
 - ❖ Authority for fee: A.A.C. R12-15-151(B)(4)(a), A.R.S. § 45-113(B)
 - ** PLEASE PRINT CLEARLY **

FILE NUMBER
WELL REGISTRATION NUMBER
55 - 547616

** PLEASE PRINT CLEARLY **							
Well Owner FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Curis Resources (Arizona) Ltd.				Location of Well WELL LOCATION ADDRESS (IF ANY)			
MAILING ADDRESS 1575 West Hunt Highway		TOWNSHIP (N/S) 4S	RANGE (E/W) 9E	SECTION 33	160 ACRE NW $\frac{1}{4}$	40 ACRE NW $\frac{1}{4}$	10 ACRE SW $\frac{1}{4}$
CITY / STATE / ZIP CODE Florence, AZ 85132		LATITUDE Degrees	' Minutes	"N Seconds	LONGITUDE Degrees	' Minutes	"W Seconds
CONTACT PERSON NAME AND TITLE							
METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade *IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):							
TELEPHONE NUMBER	FAX	COUNTY ASSESSOR'S PARCEL ID NUMBER				COUNTY WHERE WELL IS LOCATED	
		BOOK	MAP	PARCEL			

Type of Request (CHECK ONE)

Change of Well Drilling Contractor
(Fill out Section 2) Change of Well Ownership
(Fill out Section 3) Change of Well Information
(location, use, etc.) (Fill out Section 4)

- If drilling or abandoning a well, the Department must receive this request and issue authorization to the new drilling firm prior to the commencement of well drilling or abandonment.

\$10 FEE

Current Well Drilling Contractor	New Well Drilling Contractor		
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		
DWR LICENSE NUMBER	DWR LICENSE NUMBER	ROC LICENSE CATEGORY	
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX

- If this change pertains to more than one well and the names are the same, only one \$10 fee is required.

\$10 FEE

Previous Well Owner		New Well Owner	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Florence Copper Inc.		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Curis Resources (Arizona) Ltd.	
MAILING ADDRESS 975 Johnson Ferry Road Suite 450		MAILING ADDRESS 1575 West Hunt Highway	
CITY / STATE / ZIP CODE Atlanta, GA 30342		CITY / STATE / ZIP CODE Florence, AZ 85132	
CONTACT PERSON NAME AND TITLE		CONTACT PERSON NAME AND TITLE	
TELEPHONE NUMBER (404) 495-9577	FAX	TELEPHONE NUMBER	FAX

NOTE: Applies only to wells that have already been drilled. For proposed wells, an amended Notice of Intent to Drill a Well must be filed.

EXPLAIN Common name: M5-S

By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (See instructions.)

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief
TYPE OR PRINT NAME AND TITLE SIGNATURE OF WEAL OWNER DATE
Michael McPhie, Director

Printed: 5/20/2010 10:38:36 AM

Arizona Department of Water Resources

3550 N Central Ave.
Phoenix AZ 85012

Customer:

UI RESOURCES INC.
14605 E. HUNT HWY.
FLORENCE, AZ 85132

Receipt #: 10-12513
Office: BOOKSTORE
Receipt Date: 5/20/2010
Sale Type: IN PERSC
Cashier: WRACL

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
100	15238	4439-22	CHANGE OF WELL INFORMATION FORM AMA 55-71A		1	10.00	10.00
RECEIPT TOTAL:							10.00

Payment type: CHECK

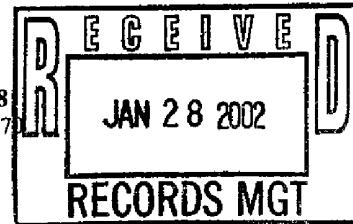
Amount Paid: \$10.00

Check # US20011

Payment Received Date: 5/18/2010

Notes: 1 \$10 CHECK RECEIVED FOR 106 - CHANGE OF WELL INFORMATION FORMS. PREVIOUS OWNER -
FLORENCE COPPER INC., TO CURRENT OWNER - CURIS RESOURCES(ARIZONA) LTD

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
MAIL TO: P.O. BOX 458 - PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT (602) 417-247



FORM TO CHANGE WELL INFORMATION
OWNERSHIP * DRILLER

Please complete the appropriate section of this request form and return to P.O. Box 458, Phoenix, Arizona 85001-0458 or hand deliver to the address above with applicable fee. NOTE: A.R.S. §45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

**SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR
CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION,
CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.**

1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)

NOTE: If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

WELL REGISTRATION NO. 55- _____ FILE NO: _____

If know, I/We request the following well information be changed: _____

Date _____ Signature of Current Well Owner _____

2. STATEMENT OF WELL OWNERSHIP: (\$10.00 FEE REQUIRED)

NOTE: If this change consists of more than one well and the names are common; attach a \$10.00 fee. Otherwise, each well requires a separate fee of \$10.00.

I, BHP Copper Inc., state that I am the Previous/New Owner of the well described below:

SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 33 Township 4 South Range 9 East
10 Acre 40 Acre 160 Acre

Assessor's tax parcel number of the parcel on which the well is located: Book _____ Map _____ Parcel _____

Well Registration No. 55- 547616 File No. _____ (if known)

BHP Copper Inc. Florence Copper Inc.

PRINT Previous Owner's Name PRINT New Owner's Name

7400 N. Oracle Road, Suite 131 975 Johnson Ferry Road, Suite 450

Mailing Address Mailing Address

Tucson AZ 85704 Atlanta GA 30342
City State Zip City State Zip

520-575-5675 404-495-9577

Telephone Number Telephone Number

Attn: Merrill Mining, L.L.C.

Signature of Previous/New Well Owner: By: MTL Date 12/01
Its: 1-2-01

**ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
MAIL TO: P.O. BOX 458 - PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT (602) 417-2470**

3. **REQUEST TO CHANGE WELL DRILLER** **\$10.00 FEE REQUIRED FOR EACH WELL**

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of the well listed below.

Well Registration No. 55- _____ FILE NO. _____

Original Well Driller

New Well Driller

Mailing Address

Mailing Address

City State Zip

City State Zip

Telephone Number

Telephone Number

ADWR License Number

ADWR License Number ROC License Category

Typed or Printed Name of Well Owner

Signature of Well Owner

Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

MONITOR/PIEZOMETER WELL

FILING FEE \$10.00

M3-ge

ARIZONA DEPARTMENT OF WATER RESOURCES

OPERATIONS DIVISION

500 NORTH THIRD STREET

PHOENIX, ARIZONA 85004 (602) 417-2470

MONITOR/PIEZOMETER WELL

DEPARTMENT OF WATER RESOURCES
FILING FEE \$10.

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

JAN 24 1995

Section § 45-596, Arizona Revised Statutes provide: Prior to drilling a monitor or piezometer well, a Notice of Intention to Drill shall be filed with the Department.

1. WELL LOCATION:

4	NS	9	EW	33 1/4
Township		Range		Section

SW 1/4	NW 1/4	NW 1/4	10 ACRE	40 ACRE	160 ACRE
--------	--------	--------	---------	---------	----------

2. Position location of the well on the land:

Latitude 33 0 2 . 35 "Longitude 111 0 25 . 12 "3. County: Pinal

4. Owner of the land of wellsite:

Magma Copper CompanyName 7400 N. Oracle Rd., Ste. 200

Address

Tucson AZ 85704
City State Zip

5. Lessee of the land of wellsite:

Name _____

Address _____

City State Zip

6. Owner of well:

Magma Copper CompanyName 7400 N. Oracle Rd., Ste. 162

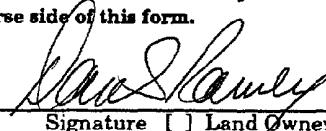
Address

Tucson AZ 85704
City State Zip16. Proposed method of abandonment of well after project is completed: According to Regulation R-12-15-81617. Is this well to monitor existing contamination? NO Potential contamination _____. Please explain: _____

GENERAL INSTRUCTIONS

- Fill out this form in **DUPLICATE** and send **WITH \$10.00 FEE** to 500 NORTH THIRD STREET, PHOENIX, AZ 85004
- For specific instructions, limitations and conditions, see the reverse side of this form.
- Must be signed by land owner or lessee.
- Section §45-596(D), provides that the Director shall determine that all information required on form has been submitted. If not, the person filing will be notified and the drilling, deepening, or modification of the well may **not** proceed.

I state that Notice is filed in compliance with Section § 45-596 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

Dan S. Ramey
Typed or Printed Name

 Signature Land Owner Lessee of wellsite
1/16/95
Date

18. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? _____
If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? _____

19. WELL CONSTRUCTION PLAN
- a) Drilling method (mud rotary, hollow-stem auger, etc.) Mud Rotary
- b) Borehole diameters: 13 3/4 inches from 0 feet to 20 feet.
9 3/4 inches from 20 feet to 520 feet.
- c) Casing materials (PVC, steel, hollow-stem auger, etc.)
material Steel diameter 9 5/8 inches from 0 feet to 20 feet
material Schd 80 PVC diameter 4 inches from 0 feet to 470 feet
- d) Method of sealing at reductions _____
- e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated)
material Cement Grout method Tremie from 0 feet to 20 feet
material Bentonite Grout method Tremie from 20 feet to 460 feet
- f) Filter packs (state material):
material Colorado Silica Sand from 460 feet to 520 feet
material #6-9 Mesh from _____ feet to _____ feet
- g) Perforations or screen specifications:
type .080 inch slot PVC Schd 80 from 470 feet to 510 feet
type _____ from _____ feet to _____ feet
- h) Method of well development (bail, air lift, surge) Air Lift and Jetting
- i) Will surface or conductor casing extend above grade: Yes No X

20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

CONDITIONS

- I. Construction and abandonment standards for all wells shall be in accordance with A.A.C. R12-15-811 and R12-15-816.
- II. Drilling of the well shall be completed within one (1) year after the date of Notice.
- III. A Well Driller Report, is required within 30 days of completion of drilling. A Completion Report, is required to be filed with the Department within 30 days after installation of pump equipment for monitor wells.
- IV. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual volume of 10 acre feet total.
- V. A.A.C. Rule R12-15-811.H.2, requires that: "A monitor well shall be identified as such on the vault cover or at the top of the steel casing. Identification information will include well registration number."
- VI. Special construction standards required pursuant to A.A.C. Rule R12-15-821: _____

**ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
500 North Third Street, Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422**

**REQUEST FORM TO CHANGE WELL INFORMATION
OWNERSHIP * DRILLER * VARIANCE**

Please complete the appropriate section of this request form and return to the above address with applicable fee.

NOTE: A.R.S. § 45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)

NOTE: If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

WELL REGISTRATION NO. 55- 547616 FILE NO: D(4-9)34BBC

If known, I/We request the following well information be changed: _____

NAME CHANGE ONLY

Date _____ Signature of Current Well Owner _____

2. STATEMENT OF CHANGE OF WELL OWNERSHIP: (\$10.00 FEE REQUIRED)

NOTE: If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate fee of \$10.00.

I, _____, state that I am the Previous/New Owner of the well described below:

1/4 1/4 1/4 of Section _____ Township _____ Range _____
10 Acre 40 Acre 160 Acre

Well Registration No. 55- See attached File No.: _____ (if known)

Magma Copper Company BHP Copper Inc.
PRINT Previous Owner's Name PRINT New Owner's Name

7400 North Oracle Road, Suite 200 7400 North Oracle Road, Suite 200
Mailing Address Mailing Address

Tucson Arizona 85704 Tucson Arizona 85704
City State Zip City State Zip

520-575-5600 520-575-5600
Telephone Number Telephone Number

Signature of Previous/New Well Owner By: [Signature] Date 4-23-94
Title: Land Manager

**ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION**
500 North Third Street, Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422

3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of any well.

Well Registration No. 55- _____ File No: _____

Original Well Driller

New Well Driller

Mailing Address

Mailing Address

Telephone Number

Telephone Number

ADWR License Number

ADWR License Number

R.O.C. License Category

R.O.C. License Category

Typed or Printed Name of Well Owner

Signature of Well Owner

Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

4. REISSUE OF DRILLING AUTHORITY FOR VARIANCE REQUEST: (\$10.00 EACH WELL)

NOTE: If extraordinary or unusual conditions exist, after the initial drilling authority has been issued, the well owner or well driller may request a variance from the provisions of R12-15-811.

WELL REGISTRATION NO. 55- _____ FILE NO: _____

I/WE REQUEST THE FOLLOWING WELL DRILLING AUTHORITY BE REISSUED PER THE ATTACHED VARIANCE REQUEST:

Signature of Well Owner/Well Driller _____ Date _____

NAME: MAGMA COPPER CO

GRID: K 09

PAGE 5,082

REPORT NO: WL9020

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
OPERATIONS DIVISION
**** WELLS SEQUENCED BY ALPHABETICAL ORDER ****

REPORT DATE: 1/31/96

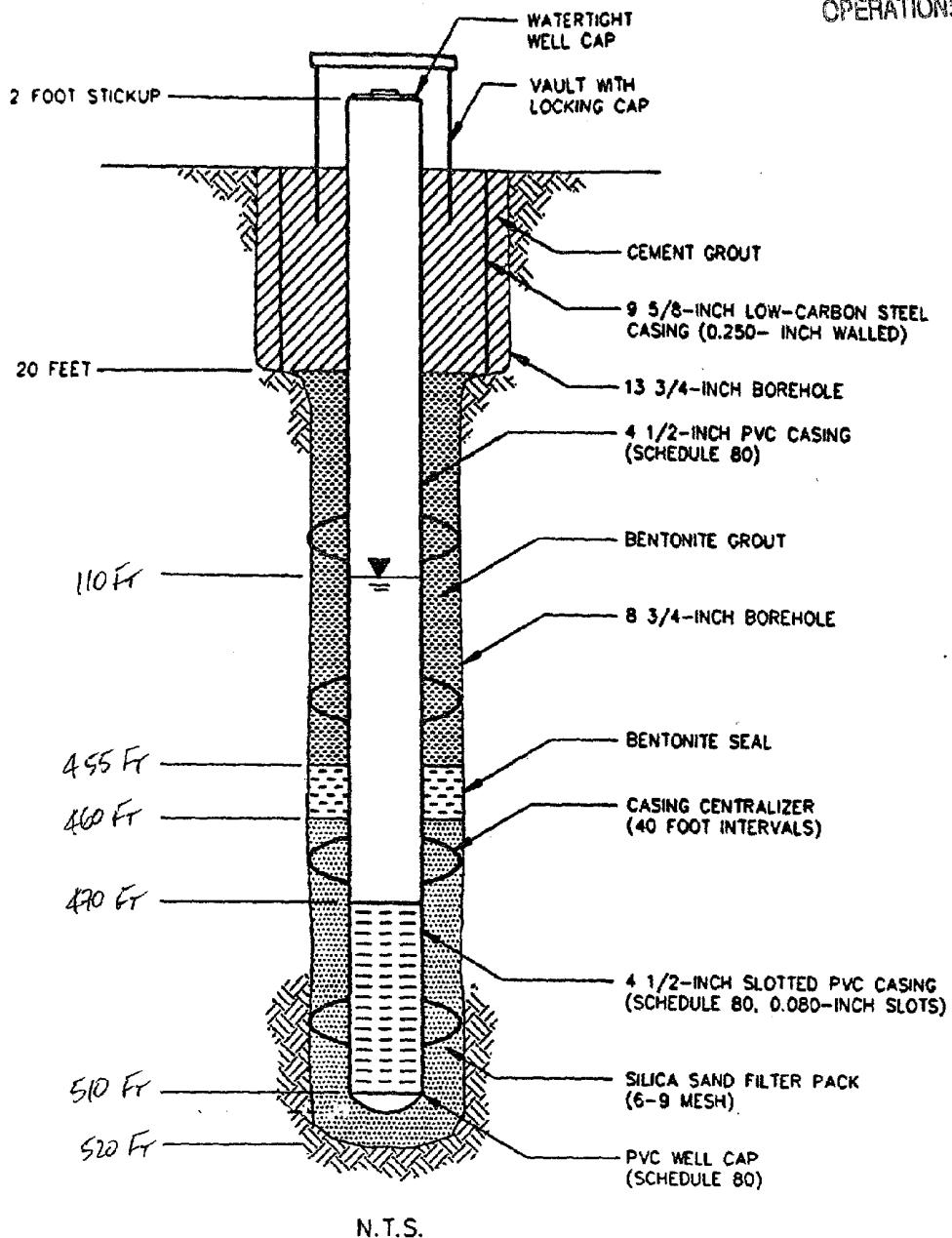
FULL-NAME	Q	T	R	S	Q	T	R	REG NO	WELL DEPTH	DEPTH	CD	AI	WATER LEVEL	PUMP (GPM)	WELL DRILL DATE	DRL LIC NO.	WTR USE	WS	L	C	O	
	U	O	N	E	G	C	1	2	3	EM	SA	EM	AH	TE	RD	GT	N					
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	33	B	B	C	55-547814	0270	0257	05	0090	00014	5/25/1995	314	M	U8	X	X			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	33	B	B	C	55-547615	0510	0485	05	0108	00014	5/21/1995	314	M	U8	X	X			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	34	B	B	C	55-547616					00032		314	M	U8	I	X			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	33	B	A	C	55-547617	0470	0365	05	0136	00014	6/16/1995	314	M	U8	X	X			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	28	B	C	C	55-547815	0590	0583	05	0144	00014	3/30/1995	028	M	U8	X	X			
MAGMA COPPER CO 7400 N ORACLE #200 TUCSON AZ	A	1.0	15.0	14	C	C	A	55-546985							360	M	07	I	N			
MAGMA COPPER CO 7400 N ORACLE #200 TUCSON AZ	A	1.0	15.0	14	C	C	A	55-546985							360	M	07	I	N			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	28	D	C	B	55-547816	0290	0268	05	0117	00014	5/10/1995	314	M	U8	X	X			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	28	D	C	B	55-547817	0370	0349	05	0115	00014	5/09/1995	314	M	U8	X	X			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	28	D	C	B	55-547818	0510	0500	05	0126	00014	5/06/1995	314	M	U8	X	X			
MAGMA COPPER CO 7400 N ORACLE RD 162 TUCSON AZ	D	4.0	9.0	28	D	C	B	55-547819					00020		028	M	U8	I	X			
MAGMA COPPER CO 7400 N ORACLE #200 TUCSON AZ	A	1.0	15.0	23	B	A	D	55-546986							360	M	07	I	N			
MAGMA COPPER CO 7400 N ORACLE #200 TUCSON AZ	A	1.0	15.0	23	B	A	D	55-546986							360	M	07	I	N			

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DEPARTMENT OF WR

JAN 24 1995

OPERATIONS DIV.



NOTES:

1. PVC = POLYVINYL CHLORIDE
2. CASING DIMENSIONS ARE OUTSIDE DIAMETER

WELL DESIGN

BROWN AND CALDWELL

ARIZONA DEPARTMENT OF WATER RESOURCES

500 N 3RD ST., PHOENIX, AZ. 85004
Telephone (602) 417-2470
Fax (602) 417-2401



January 30, 1995

MAGMA COPPER CO.
7400 N. ORACLE RD. S162
TUCSON, AZ. 85704

FIFE SYMINGTON
Governor

RITA P. PEARSON
Director

RE: Registration No. 55-547611 THRU 55-547617

File No. VARIOUS

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use . If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

For additional information, you may contact the Operations Division at (602) 542-1581.

Sincerely,

Ellen Kane
Ellen Kane
Groundwater Permit Specialist

BROWN & CALDWELL
3636 N. CENTRAL AVE. S300
PHOENIX, AZ. 85012

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
OPERATIONS DIVISION
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007
(602) 542-1581

ENTRY CODE 55

FILE NO. VARIOUS 547611

THRU 547617

ITEM DESCRIPTION	RATE	AMOUNT
FILING FEE FOR NOI TO DRILL WELLS	\$10.00	\$70.00
		
1/30/95/ek CK#7519		\$70.00

CHECK NO. _____ FEE ACCOUNT NO. _____ TOTAL \$ _____

CHIT NO. _____ RECEIVED BY _____ DATE _____

IPS 1821 - Rev. 4/91

ARIZONA DEPARTMENT OF WATER RESOURCES

OPERATIONS DIVISION
500 North Third Street
Phoenix, Arizona 85004-3903
Phone (602) 417-2470

DUPLICATE

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-547614 THRU 55-547616

AUTHORIZED DRILLER: BOYLES BROS. DRILLING CO. LICENSE NO. 28

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER CO. 7400 N. ORACLE RD. S162 TUCSON AZ 85704

The well(s) is/are to be located in:

SW 1/4 NW1/4 NW1/4 Section 34 Township 4.0 SOUTH Range 9.0 EAST
10 acre 40 acre 160 acre

NUMBER OF WELLS IN PROJECT: 3

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON JAN 23RD, 1996

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF
COMPLETION OF DRILLING.



CHIEF, OPERATIONS DIVISION

ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street
Phoenix, Arizona 85004 Telephone (602) 417-2470

3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm PRIOR to the drilling or completion of any well.

Well Registration No. 55- 547616

File No. D(4-9)346bc³³

BOYLE'S BROTHERS DRILLING
Original Well Driller

STEWART BROTHERS DRILLING CO.
New Well Driller

6527 W. NORTHVIEW AVE.
Mailing Address GLENDALE, AZ 85301

P.O. BOX 2067 MILAN, NM 87021
Mailing Address

28
ADWR License Number

314
ADWR License Number

CLASS A - 04 - 074-386-002
R.O.C. License Number

A-04 LC.# 075379
R.O.C. License Number

JOHN. T. KLINE
Typed or Printed Name of Well Owner


Signature of Well Owner

5/25/95
Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151,
effective June 30, 1994.

DWR-55-71-8/94(Rev)

ENTERED JUN 20 1995

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ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street
Phoenix, Arizona 85004 Telephone (602) 417-2470

REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP * DRILLER

Please complete the appropriate section of this request form and return to the above address with applicable fee. NOTE: A.R.S. §45-593.C. requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

1. CHANGE OF WELL INFORMATION

NO FEE REQUIRED

NOTE: If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

Well Registration No. 55- 547616 File No. DL4-9)34bbc (If known)

I/We request the following well information be changed: Section 34: Change to Section 33,
Change file No. to DL4-9)33bbc

Date 5/25/93 Signature of Current Well Owner Jean Kline

2. STATEMENT OF CHANGE OF WELL OWNERSHIP

\$10.00 FEE REQUIRED

If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate \$10.00.

I, _____, state that I am the Previous/New Owner of the well described below:

_____ /4 _____ /4 _____ /4; Section _____ Township _____ Range _____
10 acre 40 acre 160 acre

Well Registration No. 55- _____ File No. _____ (If known)

PRINT Previous Owner's Name

PRINT New Owner's Name

Mailing Address

Mailing Address

City _____ State _____ Zip _____

City _____ State _____ Zip _____

Telephone _____

Telephone _____

Date _____ Signature of Previous/New Well Owner _____

DWR-55-71-8/94(Rev)

ARIZONA DEPARTMENT OF WATER RESOURCES

OPERATIONS DIVISION

REISSUE

500 North Third Street
Phoenix, Arizona 85004-3903
Phone (602) 417-2470

DUPLICATE

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-547614 THRU 55-547616

AUTHORIZED DRILLER: STEWART BROTHERS DRILLING LICENSE NO. 360

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER CO. 7400 N. ORACLE RD. S162 TUCSON AZ 85704

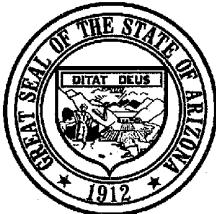
The well(s) is/are to be located in:

SW 1/4 NW1/4 NW1/4 Section 33 Township 4.0 SOUTH Range 9.0 EAST
10 acre 40 acre 160 acre

NUMBER OF WELLS IN PROJECT: 3

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON JAN 23RD, 1996

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF
COMPLETION OF DRILLING.




CHIEF, OPERATIONS DIVISION

ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street
Phoenix, Arizona 85004 Telephone (602) 417-2470

REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP * DRILLER

Please complete the appropriate section of this request form and return to the above address with applicable fee. NOTE: A.R.S. §45-593.C. requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

1. CHANGE OF WELL INFORMATION NO FEE REQUIRED

NOTE: If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

Well Registration No. 55- 547416 File No. D(4-9)34bbc ³³ (If known)

I/We request the following well information be changed: Section 34: Change to Section 33,
Change file No. to D(4-9)33bbc

Date 5/25/91 Signature of Current Well Owner J. M. Kline

2. STATEMENT OF CHANGE OF WELL OWNERSHIP \$10.00 FEE REQUIRED

If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate \$10.00.

I, _____, state that I am the Previous/New Owner of the well described below:

_____ 1/4 1/4 1/4; Section _____ Township _____ Range _____
10 acre 40 acre 160 acre

Well Registration No. 55- _____ File No. _____ ENTERED JUN 2 1995 (If known)

PRINT Previous Owner's Name _____

PRINT New Owner's Name _____

Mailing Address _____

Mailing Address _____

City _____ State _____ Zip _____

City _____ State _____ Zip _____

Telephone _____

Telephone _____

Date _____ Signature of Previous/New Well Owner _____
DWR-55-71-8/94(Rev)

ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue
Phoenix, Arizona 85007

Registration No. 55 - 547616File No. D(4-9)336bc**COMPLETION REPORT**

1. Per A.R.S. § 45-600, the Completion Report is to be filed with the Department within 30 days after installation of pump equipment by the registered well owner.
2. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE WELL:

<u>4</u> NS	<u>9</u> E/W	<u>33</u> Section	<u>SW</u> 1/4	<u>NW</u> 1/4	<u>NW</u> 1/4
Township	Range	Section	10-acre	40-acre	160-acre

EQUIPMENT INSTALLED:

Kind of pump GRUNDFOS SUBMERSIBLE TURBINE
Turbine, centrifugal, etc.

Kind of power ELECTRIC H.P. Rating of Motor 2.0
Electric, natural gas, gasoline, etc.

Pumping Capacity 18-32 GPM Date pump installed: AUGUST 1995
Gallons per minute

WELL TEST:

Test pumping capacity 12 Date Well Tested: 8/15/95
Gallons per minute

Method of Discharge Measurement FLOW METER
Weir, orifice, current meter, etc.

Static Groundwater Level 122.13 ft. Drawdown 11.09 ft.

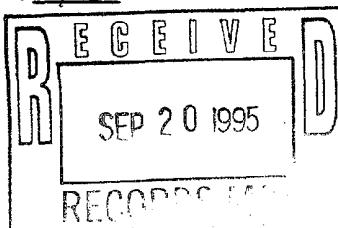
Total Pumping Lift 133.22 ft. Drawdown - lbs.

(Flowing Well)
ENTERED SEP 21 1995

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

Sept 14, 1995

Date

MAGNA COPPER COMPANY

Print Well Owner's Name

Signature of Well Owner or Agent

14605 East Hunt Highway

Address

Florence AZ 85232

City State Zip



Arizona Department of Water Resources
Groundwater Permitting and Wells Section
P.O. Box 36020 Phoenix, Arizona 85067-6
(602) 771-8527 • Fax (602) 771-8689
www.azwater.gov

Well Abandonment Completion Report

- ❖ Review instructions prior to completing form in black or blue ink.
 - ❖ The drilling firm or single well licensee must file this report within 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

**** PLEASE PRINT CLEARLY ****

FILE NUMBER
WELL REGISTRATION NUMBER 55-547616

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:	NAME <i>Reliant Well Drilling & Pump</i>	DWR LICENSE NUMBER <i>867</i>
	ADDRESS <i>6341 W. Trails End Rd</i>	TELEPHONE NUMBER <i>5202760913</i>
	CITY / STATE / ZIP <i>Tucson, Az 85745</i>	FAX <i>5202937890</i>

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <i>Florence Copper, Inc.</i>	CONTACT PERSON NAME AND TITLE
MAILING ADDRESS <i>1575 W. Hunt Hwy</i>	TELEPHONE NUMBER
CITY / STATE / ZIP CODE <i>Florence, AZ 85132</i>	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)						LATITUDE Degrees	' Minutes	"N Seconds	LONGITUDE Degrees	' Minutes	"W Seconds	
TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level						
			1/4	1/4	1/4	METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade *IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):						
COUNTY ASSESSOR'S PARCEL ID NUMBER						BOOK 200	MAP 38	PARCEL 001 B				

SECTION 3.

Questions

Questions		IF YES, EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY)
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?	<input checked="" type="checkbox"/>	
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	<input checked="" type="checkbox"/>	IF YES, PLEASE STATE
3. Prior to abandonment, did the well have 20' of surface casing AND 20' of grout in the annular space surrounding the casing?	<input checked="" type="checkbox"/>	If no, was the top 20' of casing removed prior to setting the cement plug? <input type="checkbox"/> Yes <input type="checkbox"/> No
4. Was the well backfilled above the cement plug?	<input checked="" type="checkbox"/>	
5. Was the well casing video logged?	<input checked="" type="checkbox"/>	
6. Why was the well abandoned?	Moved for new construction	

Well Abandonment Completion Report

WELL REGISTRATION NUMBER

55 -

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)												
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)			PERFORATION TYPE (T)			SLOT SIZE IF ANY (inches)			
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE
0	20'	14 1/2"	0	20	10 3/4"	X				X					
0	613'	9 5/8"	0	516	5"	X				X					
			516'	596'	4"	X					X				.080

Condition of casing: Good Fair Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)						FILTER PACK				
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE	GROUT	CHIPS	PELLETS	SAND	GRAVEL	SIZE
0	20'		X									
20'	489'		X									#30
489'	613'											#6-9
IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE										#6-9 Mesh Colorado Silica		

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information.

PERMIT TO WATER

WATER Feet Below Land Surface

DATE ABANDONMENT COMPLETED

Casing Treatment

Sealing or Fill Material

Actual Abandonment Method (See Well Abandonment Handbook)

Emplacement Method of Sealing or Fill Material

Actual A

CHECK ONE

- Gravity
 - Pressure Grouting
 - Tremie Pumped
 - Other (please specify):

REMARKS

I state that this notice is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE

SIGNATURE OF QUALIFYING PARTY

DATE